MARIO A. ALIX PHILIPPINES, INC.
ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY
2/F MAAP Bldg, 2220 Angel Linao Ext., Bgy.731, Malate, Manila, 1004 Philippines
(02) 8995 3300
(02) 8565 2538
electrical@maaphils.com
www.maaphils.com

November 05, 2025

Megaworld Corporation
9/F Two World Square
24th Upper Mckinley Road,
Taguig City

To : Rome Amiel P. Gonzales

Projects : Kingsford Hotel Bacolod
Manhattan Street, The Upper East, Bacolod City, Negros Occidental

Subject : Construction Bulletin No.8

Good day,

We issue the following construction bulletin to provide information on the "For Construction" documents reflecting the electrical revisions due to the adjusted mechanical layout and the added power provisions for the kitchen layouts from Basement to 3rd floor. Refer to the attached EE sheet drawings for reference.

Sheet No.	Remarks
EE-03	Revised Basement 1 Floor Power System Layout
EE-06	Revised Ground Floor Power System Layout
EE-09	Revised Second Floor Power System Layout
EE-12	Revised Third Floor Power System Layout
EE-21	Revised Load Schedule (Part 1 of 3)
EE-22	Revised Load Schedule (Part 2 of 3)
EE-23	Revised Load Schedule (Part 3 of 3). Application of new scheme for fire pump power supply, single feeder with terminal lugs.
EE-24	Revised Power Riser Diagram (Part 1 of 2). Application of new scheme for fire pump power supply, single feeder with terminal lugs.

Note: Coordinate with the consultant to verify any queries or discrepancies related to the previously approved plan arising from the issuance of revised drawings under the Construction Bulletin. The latest issued plan shall always govern for reference and implementation.

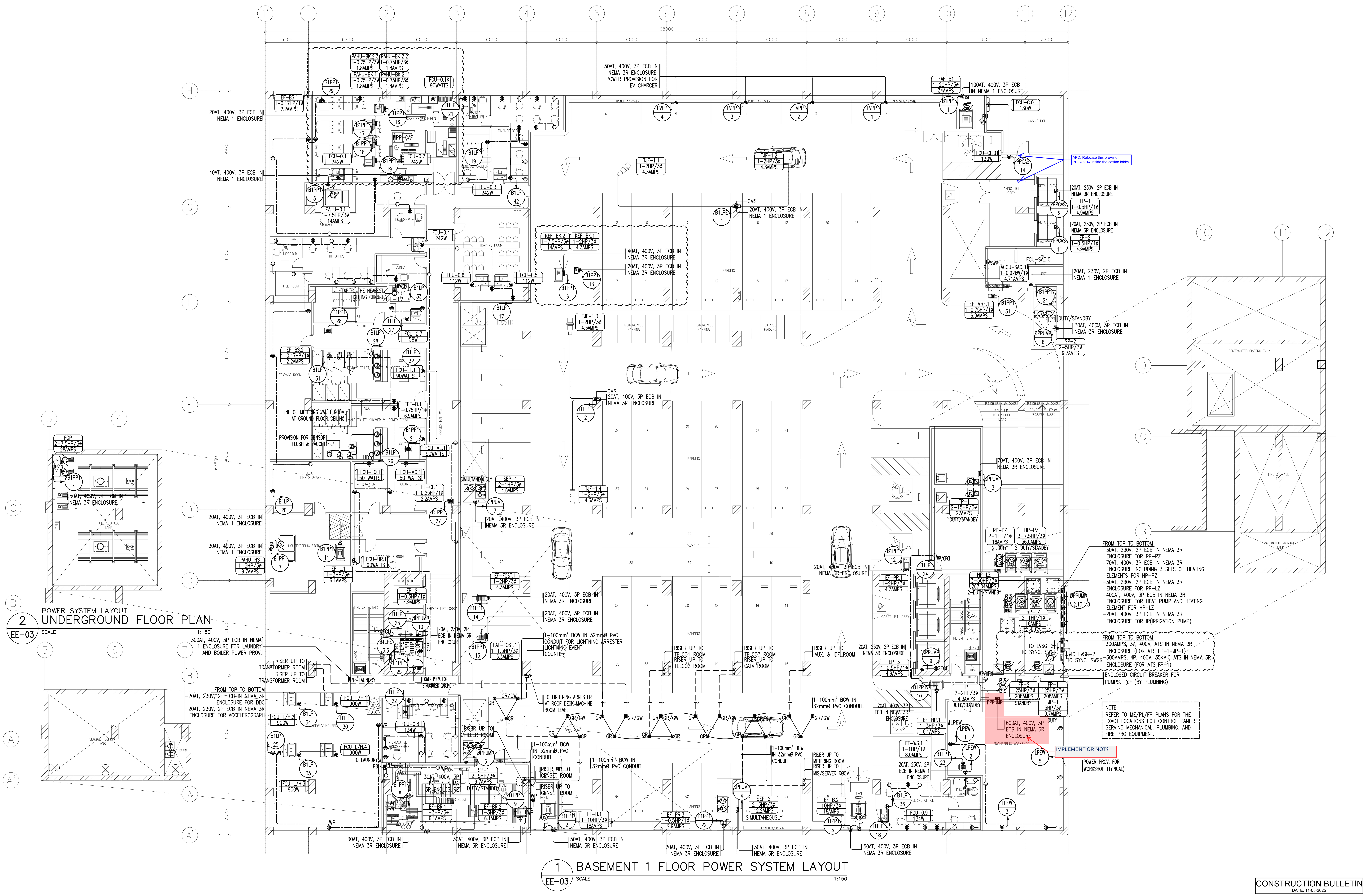
Very truly yours,

John Paul P. Dres, REE
Design Engineer In-charge

MEGAWORLD
ENGINEERING DESIGN DEPARTMENT
CONSTRUCTION BULLETIN NO. 8
BY: F.L.DILIDILI DATE: 11.18.25

DESIGN ALLIANCE
ARCHITECTURE & PLANNING
APPROVED
DISAPPROVED / RESUBMIT
WITH COMMENT
FOR CONSTRUCTION
✓ NOTED
PROJECT:
DATE: 20Nov2025 APPROVED BY: TUEC / LABuenconsejo - APD

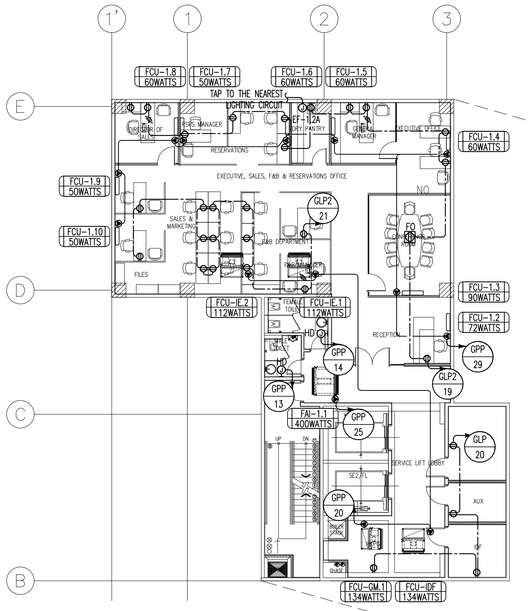
APD: 11-19-2025
-Completed released of EE-CB #8.



CONSTRUCTION BULLETIN
DATE: 11-05-2025

DESIGN ALLIANCE ARCHITECTURE & PLANNING	
HERMELYN A. CULLANO, ARCHITECT	REG. NO.: 10589; P.T.R. NO.: 8857744; DATE ISSUED: 10JAN22; ISSUED AT: MAKATI CITY; T.I.N.: 159-508-116
ENGINEERING DESIGN CONSULTANT: MARIO A. ALIX PHILIPPINES, INC. ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY	MARIO A. ALIX, PROFESSIONAL ELECTRICAL ENGINEER; REG. NO.: 1688; P.T.R. NO.: 2097023; DATE ISSUED: 01-08-25; ISSUED AT: MANILA; T.I.N.: 117-142-077
PROJECT TITLE:	KINGSFORD HOTEL BACOLOD
LOCATION:	MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL
OWNER/DEVELOPER:	MEGAWORLD CORPORATION
NO.: / DATE: / REVISION (S):	
DESIGNED BY:	MAAP
DRAWN BY:	GGB, JAN2023
CHECKED BY:	JRO, JAN2023
APPROVED BY:	MAA, JAN2023
PROJECT CODE:	TUE
SHEET CONTENT/S:	UNDERGROUND AND BASEMENT 1 FLOOR POWER SYSTEM LAYOUT
FILE NAME:	
SHEET NUMBER:	EE-03

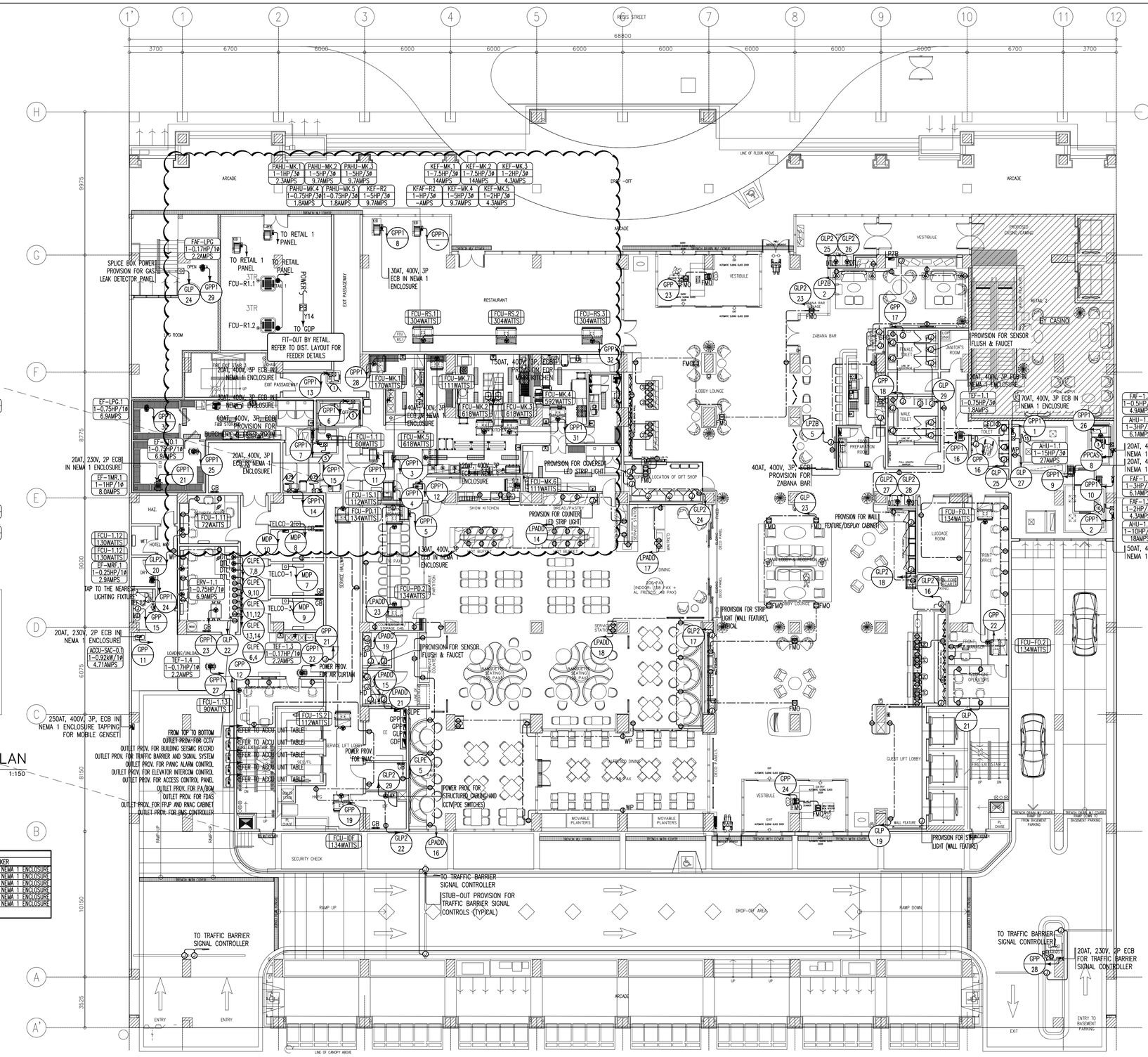
THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE. SECTION 33 : REPUBLIC ACT 9266



POWER SYSTEM LAYOUT
GROUND FLOOR MEZZANINE FLOOR PLAN
2 / EE-06 SCALE 1:150

ACCU UNIT TABLE									
ACCU UNIT	HP	PHASE	AMPS	HOMERUN	ACCU UNIT	HP	PHASE	AMPS	HOMERUN	CIRCUIT BREAKER
ACCU-SAC-1.1	2.0	1.0	7.16	TO GPP/2	ACCU-SAC-1.6	2.0	1.0	7.16	TO GPP/7	20AT, 230V, 2P ECB IN NEMA 1 ENCLOSURE
ACCU-SAC-1.2	2.0	1.0	7.16	TO GPP/3	ACCU-SAC-1.7	2.0	1.0	7.16	TO GPP/8	20AT, 230V, 2P ECB IN NEMA 1 ENCLOSURE
ACCU-SAC-1.3	2.0	1.0	7.16	TO GPP/4	ACCU-SAC-1.8	2.0	1.0	7.16	TO GPP/9	20AT, 230V, 2P ECB IN NEMA 1 ENCLOSURE
ACCU-SAC-1.4	2.0	1.0	7.16	TO GPP/5	ACCU-SAC-1.11	2.0	1.0	7.16	TO GPP/10	20AT, 230V, 2P ECB IN NEMA 1 ENCLOSURE
ACCU-SAC-1.5	2.0	1.0	7.16	TO GPP/6						20AT, 230V, 2P ECB IN NEMA 1 ENCLOSURE
ACCU-SAC-1.12	3.0	1.0	11.76	TO GPP/1						30AT, 230V, 2P ECB IN NEMA 1 ENCLOSURE

NOTE: UNITS ARE LISTED FROM TOP TO BOTTOM, UNIT ON TOP OF THE OTHER.



GROUND FLOOR POWER SYSTEM LAYOUT
1 / EE-06 SCALE 1:150

CONSTRUCTION BULLETIN
DATE: 11-05-2025

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES INC.
ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY
MARIO A. ALIX
PROFESSIONAL ELECTRICAL ENGINEER
REG. NO.: 1688
P.T.R. NO.: 2097023 DATE ISSUED: 01-08-25
ISSUED AT: MANILA T.I.N.: 117-142-077

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	JAN2023
CHECKED BY:	JRO	JAN2023
APPROVED BY:	MAA	JAN2023
PROJECT CODE:	TUE	

SHEET CONTENT/S:
GROUND FLOOR MEZZANINE AND GROUND FLOOR POWER SYSTEM LAYOUT

SHEET NUMBER:
EE-06

FILE NAME:

2 MEZZANINE FLOOR POWER LAYOUT

EE-09 SCALE 1:150

4 MEZZANINE FLOOR POWER LAYOUT

EE-09 SCALE 1:150

1 SECOND FLOOR POWER LAYOUT

EE-09 SCALE 1:150

3 MEZZANINE FLOOR POWER LAYOUT

EE-09 SCALE 1:150

CASINO (BY OTHERS)	
AREA	1,350.00 SQM
TOTAL LOAD	287.03 KVA
CURRENT	414.30 AMPS
VOLTAGE	400 VOLTS
CB (BY CASINO)	500AF, 600AF, 3P
WIRE	2X150
CONDUIT	2-50mmØC

NOTES:
1. EVERY PARTITION FOR WIREWAY SHOULD CONTAIN MAXIMUM NUMBER OF THIRTY CURRENT CARRYING CONDUCTOR.
2. MAXIMUM AND ALLOWABLE PIPE THAT CAN BE EMBEDDED ON CONCRETE SLAB IS 25MMØ PVC. ABOVE 25MMØ PVC SHALL BE CONCEALED OTHERWISE, USE EMT/PVC FOR EXPOSED INSTALLATION.

CONSTRUCTION BULLETIN
DATE: 11-05-2025

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY
MARIO A. ALIX
PROFESSIONAL ELECTRICAL ENGINEER
REG. NO.: 1688
P.T.R. NO.: 2097023 DATE ISSUED: 01-08-25
ISSUED AT: MANILA T.I.N.: 117-142-077

PROJECT TITLE: KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER: MEGAWORLD CORPORATION

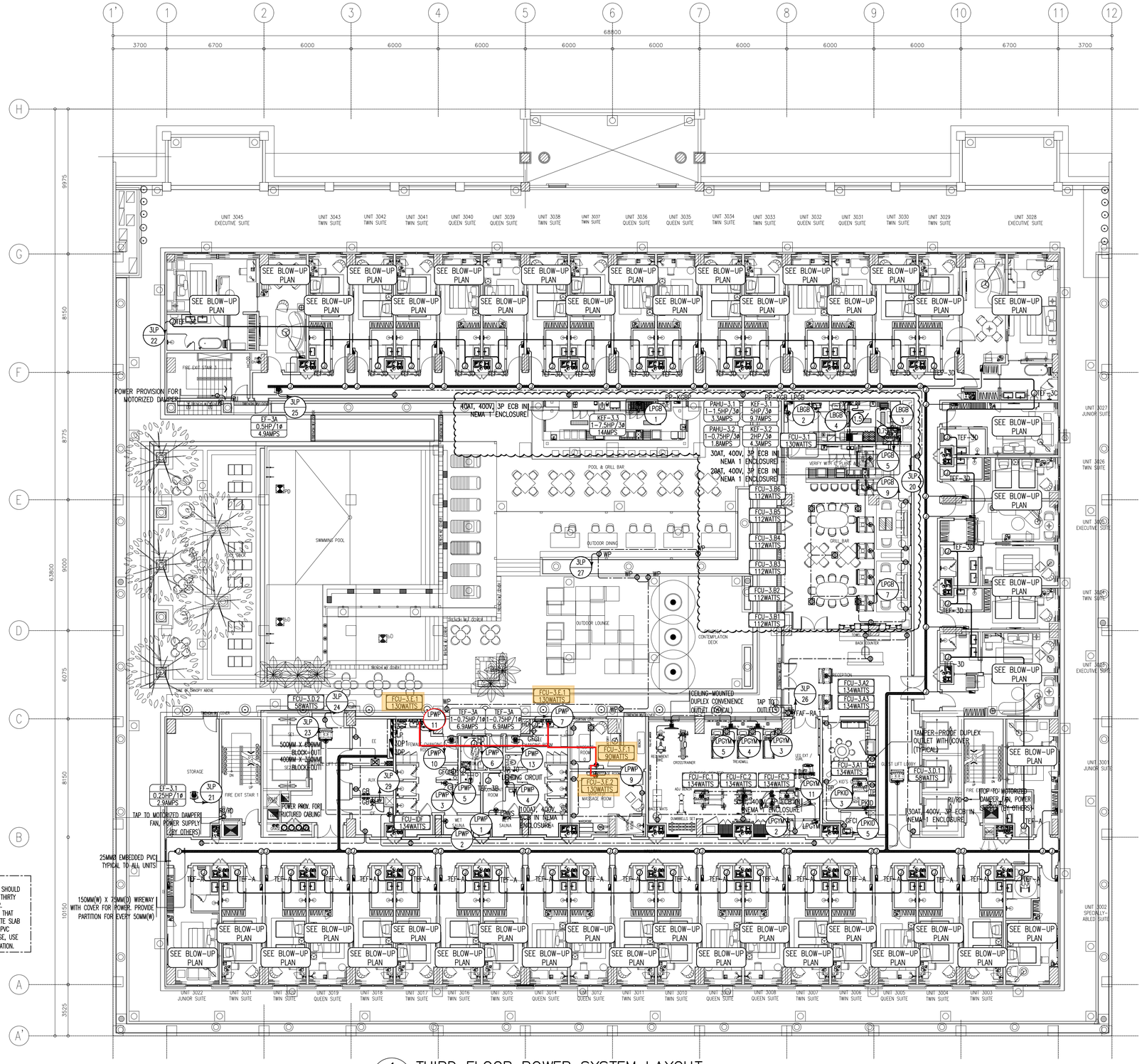
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	JAN2023
CHECKED BY:	JRO	JAN2023
APPROVED BY:	MAA	JAN2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: SECOND MEZZANINE AND SECOND FLOOR POWER SYSTEM LAYOUT

SHEET NUMBER: EE-09

FILE NAME:



NOTE:
1. EVERY PARTITION FOR WIREWAY SHOULD CONTAIN MAXIMUM NUMBER OF THIRTY CURRENT CARRYING CONDUCTOR.
2. MAXIMUM AND ALLOWABLE PIPE THAT CAN BE EMBEDDED ON CONCRETE SLAB IS 25MMØ PVC. ABOVE 25MMØ PVC SHALL BE CONCEALED OTHERWISE, USE EMT/IMC FOR EXPOSED INSTALLATION.

1 / EE-12 THIRD FLOOR POWER SYSTEM LAYOUT
SCALE 1:150

CONSTRUCTION BULLETIN
DATE: 11-05-2025

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY
MARIO A. ALIX
PROFESSIONAL ELECTRICAL ENGINEER
REG. NO.: 1688
P.T.R. NO.: 2097023 DATE ISSUED: 01-08-25
ISSUED AT: MANILA T.I.N.: 117-142-077

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	JAN2023
CHECKED BY:	JRO	JAN2023
APPROVED BY:	MAA	JAN2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: THIRD FLOOR POWER SYSTEM LAYOUT
SHEET NUMBER: EE-12
FILE NAME:

1 LOAD SCHEDULE (PART 1 OF 3)

EE-21 SCALE NTS

PANEL BOARD FOR GUESTROOMS

PANEL: **LPPS** MOUNTING: FLUSH MOUNTED MINIATURE HOTEL PANEL
FED FROM: NDP1 BOARD IN METALLIC ENCLOSURE WITH FIRE RETARDANT
LOCATION: PRESIDENTIAL SUITE POLYCARBONATE THERMOPLASTIC COVER.

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD	PROTECTION AT	AF	P	KAIC	TYPE	WIRE & CONDUIT INDEX
1	REFRIGERATOR (24/7 LOADS) + KEY CARD + DND SIGNAGE	400/230	700	3.04	20	100	1	10	MCB	W3.5
2	LIGHTS	400/230	1000	4.35	20	100	1	10	MCB	W3.5
3	11-CONVENIENCE OUTLET	400/230	1980	8.61	20	100	1	10	MCB	W3.5
4	FCU	400/230	330	1.43	20	100	1	10	MCB	W3.5
5	MICROWAVE OVEN	400/230	2500	10.87	20	100	1	10	MCB	W3.5
6	LIGHTS	400/230	1000	4.35	20	100	1	10	MCB	W3.5
7	LIGHTS	400/230	1000	4.35	20	100	1	10	MCB	W3.5
8	LIGHTS	400/230	1000	4.35	20	100	1	10	MCB	W3.5
9	SPARE	400/230	1000	4.35	20	100	1	10	MCB	15mmøC
				45.70						

IL = 45.70 + (25% X 0.48) = 45.82 AMPS
USE : W14
MAIN : 50AT, 100AF, 1P+N, 230V, 10 KAIC MCB

NOTE: REFER TO HOTEL PANELBOARD DETAILS IN POWER RISER DIAGRAM

PANEL: **"LPES1" TYPICAL TO "LPES2", LPES3, & LPSE4"** MOUNTING: FLUSH MOUNTED MINIATURE HOTEL PANEL
FED FROM: NDP1 BOARD IN METALLIC ENCLOSURE WITH FIRE RETARDANT
LOCATION: EXECUTIVE SUITE POLYCARBONATE THERMOPLASTIC COVER.

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD	PROTECTION AT	AF	P	KAIC	TYPE	WIRE & CONDUIT INDEX
1	REFRIGERATOR (24/7 LOADS) + KEY CARD + DND SIGNAGE	400/230	700	3.04	20	100	1	10	MCB	W3.5
2	LIGHTS	400/230	1000	4.35	20	100	1	10	MCB	W3.5
3	13-CONVENIENCE OUTLET	400/230	2340	10.17	20	100	1	10	MCB	W3.5
4	FCU	400/230	260	1.13	20	100	1	10	MCB	W3.5
5	MICROWAVE OVEN	400/230	2500	10.87	20	100	1	10	MCB	W3.5
6	SPARE	400/230	1000	4.35	20	100	1	10	MCB	15mmøC
				33.91						

IL = 33.91 + (25% X 0.65) = 34.07 AMPS
USE : W8.0
MAIN : 40AT, 100AF, 1P+N, 230V, 10 KAIC MCB

NOTE: REFER TO HOTEL PANELBOARD DETAILS IN POWER RISER DIAGRAM

PANEL: **LPSAT TYPICAL WITH LPSAQ, LPJS1, LPJS2, LPJS3, LPQS, & LPTS** MOUNTING: FLUSH MOUNTED MINIATURE HOTEL PANEL
FED FROM: NDP1 BOARD IN METALLIC ENCLOSURE WITH FIRE RETARDANT
LOCATION: JUNIOR, TWIN, QUEEN, SPECIALLY-ABLE SUITES AT 5TH-12TH FLOOR POLYCARBONATE THERMOPLASTIC COVER.

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD	PROTECTION AT	AF	P	KAIC	TYPE	WIRE & CONDUIT INDEX
1	REFRIGERATOR (24/7 LOADS) + KEY CARD + DND SIGNAGE	400/230	700	3.04	20	100	1	10	MCB	W3.5
2	LIGHTS	400/230	1000	4.35	20	100	1	10	MCB	W3.5
3	10-CONVENIENCE OUTLET	400/230	1800	7.83	20	100	1	10	MCB	W3.5
4	FCU	400/230	150	0.65	20	100	1	10	MCB	W3.5
5	SPARE	400/230	1000	4.35	20	100	1	10	MCB	15mmøC
				20.22						

IL = 20.22 + (25% X 0.65) = 20.38 AMPS
USE : W5.5
MAIN : 30AT, 100AF, 1P+N, 230V, 10 KAIC MCB

NOTE: REFER TO HOTEL PANELBOARD DETAILS IN POWER RISER DIAGRAM

PANEL: **LPSAT TYPICAL WITH LPSAQ, LPJS1, LPJS2, LPJS3, LPQS, & LPTS** MOUNTING: FLUSH MOUNTED MINIATURE HOTEL PANEL
FED FROM: NDP1 BOARD IN METALLIC ENCLOSURE WITH FIRE RETARDANT
LOCATION: JUNIOR, TWIN, QUEEN, SPECIALLY-ABLE SUITES AT 3RD FLOOR POLYCARBONATE THERMOPLASTIC COVER.

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD	PROTECTION AT	AF	P	KAIC	TYPE	WIRE & CONDUIT INDEX
1	REFRIGERATOR (24/7 LOADS) + KEY CARD + DND SIGNAGE	400/230	700	3.04	20	100	1	10	MCB	W3.5
2	LIGHTS	400/230	1000	4.35	20	100	1	10	MCB	W3.5
3	10-CONVENIENCE OUTLET	400/230	1800	7.83	20	100	1	10	MCB	W3.5
4	FCU	400/230	150	0.65	20	100	1	10	MCB	W3.5
5	MIRCROWAVE OVEN	400/230	2500	10.87	20	100	1	10	MCB	W3.5
6	SPARE	400/230	1000	4.35	20	100	1	10	MCB	15mmøC
				31.09						

IL = 31.09 + (25% X 0.65) = 31.25 AMPS
USE : W8.0
MAIN : 40AT, 100AF, 1P+N, 230V, 10 KAIC MCB

NOTE: REFER TO HOTEL PANELBOARD DETAILS IN POWER RISER DIAGRAM

PANEL BOARD FOR HOTEL AND ADMIN LOADS

PANEL: **"B1LP"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: B1DP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : BASEMENT 1 EE RROM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	B1 LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
2	B1 LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
3	B1 LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
4	B1 LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
5	B1 LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
6	B1 LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
7	B1 LIGHTS, EM	400/230	800	3.48				20	100	1	18	MCCB	W3.5
8	B1 LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
9	B1 LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
10	B1 DRIVEWAYS/PARKING LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
11	B1 DRIVEWAYS/PARKING LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
12	B1 DRIVEWAYS/PARKING LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
13	B1 DRIVEWAYS/PARKING LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
14	B1 DRIVEWAYS/PARKING LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
15	B1 DRIVEWAYS/PARKING LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
16	B1 DRIVEWAYS/PARKING LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
17	12-CONVENIENCE OUTLET	400/230	2340			10.17		20	100	1	18	MCCB	W3.5
18	11-CONVENIENCE OUTLET	400/230	1980			8.61		20	100	1	18	MCCB	W3.5
19	12-CONVENIENCE OUTLET	400/230	2340	9.39				20	100	1	18	MCCB	W3.5
20	10-CONVENIENCE OUTLET	400/230	1800	7.83				20	100	1	18	MCCB	W3.5
21	12-CONVENIENCE OUTLET	400/230	2160		9.39			20	100	1	18	MCCB	W3.5
22	9-CONVENIENCE OUTLET	400/230	1620		7.04			20	100	1	18	MCCB	W3.5
23	8-CONVENIENCE OUTLET	400/230	1440			6.26		20	100	1	18	MCCB	W3.5
24	4-CONVENIENCE OUTLET	400/230	720			3.13		20	100	1	18	MCCB	W3.5
25	8-CONVENIENCE OUTLET	400/230	1440	6.26				20	100	1	18	MCCB	W3.5
26	HAND DRYER	400/230	1500	6.52				20	100	1	18	RCBO	W3.5
27	524W-FCU(0.4, 0.5, 0.6, 0.7)	400/230	524		2.28			20	100	1	18	MCCB	W3.5
28	HAND DRYER	400/230	1500		6.52			20	100	1	18	RCBO	W3.5
29	B1 LIGHTS, EM	400/230	800			3.48		20	100	1	18	MCCB	W3.5
30	900W-FCU-L/H.1 + 134W-FCU-0.8	400/230	1034			4.50		20	100	1	18	MCCB	W3.5
31	POWER PROV. FOR SENSOR FLUSH & FAUCET	400/230	500	2.17				20	100	1	18	MCCB	W3.5
32	370W-FCU(UR.1, FQ.1, MQ.1, ML.1, FL.1)	400/230	370	1.61				20	100	1	18	MCCB	W3.5
33	HAND DRYER	400/230	1500		6.52			20	100	1	18	RCBO	W3.5
34	1-900W-FCU-L/H.2	400/230	900		3.91			20	100	1	18	MCCB	W3.5
35	900W-FCU-L/H.3 + 900W-FCU-I/H.4	400/230	1800			7.83		20	100	1	18	MCCB	W3.5
36	1-134W-FCU-0.9	400/230	134			0.58		20	100	1	18	MCCB	W3.5
37	B1 LIGHTS	400/230	1000	3.94				20	100	1	18	MCCB	W3.5
38	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
39	B1 LIGHTS, EM	400/230	800		3.48			20	100	1	18	MCCB	W3.5
40	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
41	B1 LIGHTS, EM	400/230	800			3.48		20	100	1	18	MCCB	W3.5
42	816W-FCU(0.1, 0.2, 0.3, 0.1K)	400/230	816			3.55		20	100	1	18	MCCB	W3.5
				62.95	65.24	68.99							

IL = 68.99+ (25% X 3.91) = 69.97 AMPS
USE : Y22
MAIN : 100AT, 125AF, 400V, 3P, 18KAIC MCCB

PANEL: **"B1PP1"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: B1DP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : BASEMENT 1 EE RROM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-20HP(15kW), FAF-B.1	400	23555				34.00	100	125	3	22	MCCB	Z8.0
2	1-10HP(7kW), EF-B.1	400	12470				18.00	50	100	3	22	MCCB	Z5.5
3	1-10HP(7kW), EF-B.2	400	12470				18.00	50	100	3	22	MCCB	Z5.5
4	2-7.5HP(5kW), FOP	400	19398				28.00	50	100	3	22	MCCB	Z5.5
5	1-7.5HP(5kW), PAHU-0.1	400	9699				14.00	40	100	3	22	MCCB	Z3.5
6	1-7.5HP(5kW), KEF-BK.2	400	9699				14.00	40	100	3	22	MCCB	Z3.5
7	1-5HP(3kW), PAHU-HS	400	6720				9.70	30	100	3	22	MCCB	Z3.5
8	1-3HP(2.5kW), EF-BR.1	400	4226				6.10	20	100	3	22	MCCB	Z3.5
9	1-3HP(2.5kW), EF-BR.2	400	4226				6.10	20	100	3	22	MCCB	Z3.5
10	1-3HP(2.5kW), EF-HP.1	400	4226				6.10	20	100	3	22	MCCB	Z3.5
11	1-3HP(2.5kW), EF-L.1	400	4226				6.10	20	100	3	22	MCCB	Z3.5
12	1-2HP(1.5kW), EF-PR.1	400	2979				4.30	20	100	3	22	MCCB	Z3.5
13	1-2HP(1.5kW), KEF-BK.1	400	2979				4.30	20	100	3	22	MCCB	Z3.5
14	1-2HP(1.5kW), EF-FOST.1	400	2979				4.30	20	100	3	22	MCCB	Z3.5
15	1-1.5HP(1kW), FAF-FOST.1	400	2286				3.30	20	100	3	22	MCCB	Z3.5
16	1-0.75HP, PAHU-BK.1	400	1247				1.80	20	100	3	22	MCCB	Z3.5
17	1-0.75HP, PAHU-BK.2.1	400	1247				1.80	20	100	3	22	MCCB	Z3.5
18	1-0.75HP, PAHU-BK.2.2	400	1247				1.80	20	100	3	22	MCCB	Z3.5
19	1-0.75HP, PAHU-BK.2.3	400	1247				1.80	20	100	3	22	MCCB	Z3.5
20	SPACE							–	100	3	–	–	–
21	1-0.75HP(0.6kW), TEF-B.1	400/230	1587	6.90				20	100	1	22	MCCB	W3.5
22	1-0.5HP(0.31kW), EF-PR.3	400/230	1000	2.90				20	100	1	22	MCCB	W3.5
23	1-1HP(0.84kW), EF-WS.1	400/230	1840		8.00			20	100	1	22	MCCB	W3.5
24	1-0.92kW(1HP), ACCU SAC-0.1	400/230	1083		4.71			20	100	1	22	MCCB	W3.5
25	POWER PROV. FOR STRUCTURED CABLING	400/230	1500			6.52		20	100	1	22	MCCB	W3.5
26	SPARE BMS - DDC	400/230	–			–		20	100	1	22	MCCB	15mmøC
27	1-0.25HP(0.159kW), EF-CL.1	400/230	667	2.90				20	100	1	22	MCCB	W3.5
28	1-0.17HP(0.119kW), EF-BS.2	400/230	506	2.20				20	100	1	22	MCCB	W3.5
29	1-0.17HP(0.119kW), EF-BS.1	400/230	506		2.20			20	100	1	22	MCCB	W3.5
30	SPARE BMS - DDC	400/230	–		–			20	100	1	22	MCCB	15mmøC
31	1-0.75HP(0.5kW), EF-MRF.1	400/230	1587			6.90		20	100	1	22	MCCB	W3.5
32	SPARE BMS - DDC	400/230	–			–		20	100	1	22	MCCB	15mmøC
				14.90	14.91	13.42	183.50						

IL = (14.91 + 183.50) + (25% X 34.00) = 206.91AMPS
USE : Z100
MAIN : 250AT, 250AF, 400V, 3P, 22KAIC MCCB

PANEL: **"LPEW"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
BMS - DDC- AHU1
FED FROM: B1DP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : ENGINEERING WORKSHOP BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	5-CONVENIENCE OUTLET	400/230	900	3.91				20	100	1	18	MCCB	W3.5
2	POWER PROV. FOR WORKSHOP	400/230	1500	6.52				20	100	1	18	MCCB	W3.5
3	POWER PROV. FOR WORKSHOP	400/230	1500		6.52			20	100	1	18	MCCB	W3.5
4	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
5	POWER PROV. FOR WORKSHOP	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
6	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				10.43	6.52	6.52							

IL = 10.43 AMPS
USE : Y8.0
MAIN : 40AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: **"DPPUMP"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: MDP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : BASEMENT 1 PUMP ROOM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	3-50HP, HP-LZ & 3-35kW HE (2-DUTY,1-STANDBY)	400	185011				267.04	400	400	3	35	MCCB	Y200
2	3-7.5HP, HP-PZ & 3-4.5kW HE (2-DUTY,1-STANDBY)	400	28399				40.99	70	125	3	35	MCCB	Z14
3	2-15HP, TP-1 (1-DUTY,1-STANDBY)	400	18706				27.00	70	125	3	35	MCCB	Z8.0
4	2-3HP, SEP-2 (SIMULTANEOUS)	400	8452				12.20	30	100	3	35	MCCB	Z3.5
5	2-5HP-SP-1 (1-DUTY,1-STANDBY)	400	6720				9.70	30	100	3	35	MCCB	Z3.5
6	2-5HP-SP-2 (1-DUTY,1-STANDBY)	400	6720				9.70	30	100	3	35	MCCB	Z3.5
7	2-1HP, SEP-1 (SIMULTANEOUS)	400	1593				4.60	20	100	3	35	MCCB	Z3.5
8	2-2HP-IP (1-DUTY,1-STANDBY)	400	2979				4.30	20	100	3	35	MCCB	Z3.5
9	1-0.5HP, EP-3	400/230	1127	4.90				20	100	1	35	MCCB	W3.5
10	1-0.6HP, EP-2	400/230	1127	4.90				20	100	1	35	MCCB	W3.5
11	2-1HP, RP-PZ	400/230	3680		16.00			30	100	1	35	MCCB	W3.5
12	SPARE BMS - DDC	400/230	–		–			20	100	1	35	MCCB	15mmøC
13	2-1HP, RP-LZ	400/230	3680			16.00		30	100	1	35	MCCB	W3.5
14	SPARE	400/230	–			–		20	100	1	35	MCCB	15mmøC
15	SPARE	400/230	–	–				20	100	1	35	MCCB	15mmøC
16	SPARE	400/230	–	–				20	100	1	35	MCCB	15mmøC
				9.80	16.00	16.00	375.53						

IL = (16.00+ 375.53) + (25% X 83.00) = 412.28 AMPS
USE : 2 SETS OF [3-125mm² THHN/THWN (L) + 1-50mm² THHN/THWN (N) + 1-38mm² THHN/THWN (G) IN 80mmøC]
MAIN : 600AT, 600AF, 400V, 3P, 35KAIC MCCB

PANEL: **"GPP1"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: GDP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : GROUND FLOOR EE RROM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-15HP(10kW), AHU-1.1	400	18706				27.00	70	100	3	22	MCCB	Z5.5
2	1-10HP(8kW), AHU-1.2	400	12470				18.00	50	100	3	22	MCCB	Z5.5
3	1-7.5HP(5kW), KEF-MK.1	400	6720				14.00	40	100	3	22	MCCB	Z3.5
4	1-7.5HP(5kW), KEF-MK.2	400	6720				14.00	40	100	3	22	MCCB	Z3.5
5	1-5HP(3kW), KEF-MK.4	400	6720				9.70	30	100	3	22	MCCB	Z3.5
6	1-5HP(3kW), PAHU-MK.2	400	6720				9.70	30	100	3	22	MCCB	Z3.5
7	1-5HP(3kW), PAHU-MK.3	400	6720				9.70	30	100	3	22	MCCB	Z3.5
8	1-5HP(3kW), KEF-R2	400	6720				9.70	30	100	3	22	MCCB	Z3.5
9	1-3HP(2.5kW), FAF-1.1	400	4226				6.10	20	100	3	22	MCCB	Z3.5
10	1-2HP(1.5kW), FAF-1.2	400	2979				4.30	20	100	3	22	MCCB	Z3.5
11	1-2HP(1.5kW), KEF-MK.3	400	2979				4.30	20	100	3	22	MCCB	Z3.5
12	1-2HP(1.5kW), KEF-MK.5	400	2979				4.30	20	100	3	22	MCCB	Z3.5
13	1-1HP(0.75kW), PAHU-MK.1	400	1593				2.30	20	100	3	22	MCCB	Z3.5
14	1-0.75HP(0.55kW), PAHU-MK.4	400	1247				1.80	20	100	3	22	MCCB	Z3.5
15	1-0.75HP(0.55kW), PAHU-MK.5	400	1247				1.80	20	100	3	22	MCCB	Z3.5
16	1-0.75HP(0.6kW), TEF-1.1	400	1247				1.80	20	100	3	22	MCCB	Z3.5
17	SPARE	400					–	20	100	3	22	MCCB	15mmøC
18	SPACE	400					–	–	100	3	–	–	–
19	SPARE	400					–	20	100	3	22	MCCB	15mmøC
20	SPACE	400					–	–	100	3	–	–	–
21	1-1HP(0.84kW), EF-1MR.1	400/230	1840	8.00				20	100	1	22	MCCB	W3.5
22	1-0.17HP(0.098kW), TEF-1.3	400/230	506	2.20				20	100	1	22	MCCB	W3.5
23	1-0.75HP(0.425kW), ERV-1.1	400/230	1587		6.90			20	100	1	22	MCCB	W3.5
24	1-0.25HP(0.159kW), EF-MRF.1	400/230	667		2.90			20	100	1	22	MCCB	W3.5
25	1-0.75HP(0.425kW), EF-STO.1	400/230	1587			6.90		20	100	1	22	MCCB	W3.5
26	1-0.5HP(0.425kW), FAF-1.3	400/230	1127			4.90		20	100	1	22	MCCB	W3.5
27	1-0.17HP(0.098kW), TEF-1.4	400/230	1000	2.20				20	100	1	22	MCCB	W3.5
28	1.517kW-FCU(MK.1, MK.2, MK.5, MK.7)	400/230	1517	6.60				20	100	1	22	MCCB	W3.5
29	1-0.17HP(0.098kW), FAF-LPG	400/230	1000		2.20			20	100	1	22	MCCB	W3.5
30	1-0.75HP(0.425kW), EF-LPG.1	400/230	1587		6.90			20	100	1	22	MCCB	W3.5
31	1.321kW-FCU(MK.3, MK.4, MK.6)	400/230	1321			5.74		20	100	1	22	MCCB	W3.5
32	912W-FCU(RS.1, RS.2, RS.3)	400/230	912			3.97		20	100	1	22	MCCB	W3.5
				19.00	18.90	21.51	138.50						

IL = (21.51 + 138.50) + (25% X 27.00) = 166.76 AMPS
USE : Z100
MAIN : 250AT, 250AF, 400V, 3P, 22KAIC MCCB

PANEL: **B1DP** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: MDP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : BASEMENT 1 EE ROOM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	PPLAUNDRY(PROV. FOR BOILER & LAUNDRY)	400	100000				144.34	300	400	3	35	MCCB	Y200
2	B1PP1	400		14.90	14.91	13.42	183.50	250	250	3	35	MCCB	Z100
3	B1LP	400		62.95	65.24	68.99		100	125	3	35	MCCB	Y22
4	PP-CAF(PROV. FOR CAFETERIA)	400	25400	12.17	15.22	9.13	25.98	75	100	3	35	MCCB	Y22
5	LPEW	400		10.43	6.52	6.52		40	100	3	35	MCCB	Y8.0
6	SPARE	–					–	40	100	3	35	MCCB	25mmøC
				100.45	101.89	98.06	353.82						

IL = (100.45 + 353.82) X 80%D.F + (25% X 34.00) = 371.92 AMPS
USE : 2 SETS OF [3-125mm² THHN/THWN (L) + 1-50mm² THHN/THWN (N) + 1-30mm² THHN/THWN (G) IN 80mmøC]
MAIN : 500AT, 600AF, 400V, 3P, 35KAIC MCCB

PANEL: **"GPP"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: GDP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : GROUND FLOOR EE ROOM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-2.3kW(3HP), ACCU SAC-1.12	400/230	2705	11.76				30	100	1	18	MCCB	W3.5
2	1-1.4kW(2HP), ACCU SAC-1.1	400/230	1647	7.16				20	100	1	18	MCCB	W3.5
3	1-1.4kW(2HP), ACCU SAC-1.2	400/230	1647		7.16			20	100	1	18	MCCB	W3.5
4	1-1.4kW(2HP), ACCU SAC-1.3	400/230	1647		7.16			20	100	1	18	MCCB	W3.5
5	1-1.4kW(2HP), ACCU SAC-1.4	400/230	1647			7.16		20	100	1	18	MCCB	W3.5
6	1-1.4kW(2HP), ACCU SAC-1.5	400/230	1647			7.16		20	100	1	18	MCCB	W3.5
7	1-1.4kW(2HP), ACCU SAC-1.6	400/230	1647	7.16				20	100	1	18	MCCB	W3.5
8	1-1.4kW(2HP), ACCU SAC-1.7	400/230	1647	7.16				20	100	1	18	MCCB	W3.5
9	1-1.4kW(2HP), ACCU SAC-1.8	400/230	1647		7.16			20	100	1	18	MCCB	W3.5
10	1-1.4kW(2HP), ACCU SAC-1.11	400/230	1647		7.16			20	100	1	18	MCCB	W3.5
11	1-0.92kW(1.5HP), ACCU SAC-0.1	400/230	1083			4.71		20	100	1	18	MCCB	W3.5
12	422W-FCU(1.11, 1.12, & 1.13)	400/230	422			1.83		20	100	1	18	MCCB	W3.5
13	HAND DRYER	400/230	1500	6.52				20	100	1	18	RCBO	W3.5
14	HAND DRYER	400/230	1500	6.52				20	100	1	18	RCBO	W3.5
15	HAND DRYER	400/230	1500		6.52			20	100	1	18	RCBO	W3.5
16	HAND DRYER	400/230	1500		6.52			20	100	1	18	RCBO	W3.5
17	HAND DRYER	400/230	1500			6.52		20	100	1	18	RCBO	W3.5
18	HAND DRYER	400/230	1500			6.52		20	100	1	18	RCBO	W3.5
19	418W-FCU(1.1, 1S.1, 1S.2, IDF)	400/230	418	1.82				20	100	1	18	MCCB	W3.5
20	492W-FCU(IDF, GM.1, IE.1, IE.2)	400/230	492	2.14				20	100	1	18	MCCB	W3.5
21	POWER PROV. FOR AIR CURTAIN	400/230	600		2.61			20	100	1	18	MCCB	W3.5
22	268W-FCU(F0.1 & F0.2)	400/230	268		1.17			20	100	1	18	MCCB	W3.5
23	BAGGAGE SCANNER	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
24	BAGGAGE SCANNER	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
25	1-400W-FAI-1.1	400/230	400	1.74				20	100	1	18	MCCB	W3.5
26	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
27	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
28	TRAFFIC BARRIER	400/230	1500		6.52			20	100	1	18	MCCB	W3.5
29	552W-FCU(1.2 TO 1.10)	400/230	552			2.40		20	100	1	18	MCCB	W3.5
30	SPARE	400/230	1500			–		20	100	1	18	MCCB	15mmøC
				51.98	51.98	49.34							

IL = 51.98 + (25% X 11.76) = 54.92 AMPS
USE : Y14
MAIN : 70AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: **"GLP"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: GDP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : GROUND FLOOR EE ROOM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
2	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
3	GF LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
4	GF LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
5	GF LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
6	GF LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
7	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
8	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
9	GF LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
10	GF LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
11	GF LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
12	GF LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
13	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
14	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
15	GF LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
16	GF LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
17	GF LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
18	GF LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
19	12-CONVENIENCE OUTLET	400/230	2160	9.39				20	100	1	10	MCCB	W3.5
20	4-CONVENIENCE OUTLET	400/230	720	3.13				20	100	1	10	MCCB	W3.5
21	13-CONVENIENCE OUTLET	400/230	2340		10.17			20	100	1	10	MCCB	W3.5
22	5-CONVENIENCE OUTLET	400/230	900		3.91			20	100	1	10	MCCB	W3.5
23	8-CONVENIENCE OUTLET	400/230	1440			6.26		20	100	1	10	MCCB	W3.5
24	PROV. FOR GAS LEAK DETECTOR PANEL	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
25	POWER PROV. FOR SENSOR FLUSH & FAUCET	400/230	500	2.17				20	100	1	10	MCCB	W3.5
26	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
27	4-CONVENIENCE OUTLET	400/230	720		3.13			20	100	1	10	MCCB	W3.5
28	SPARE	400/230	–		–			20	100	1	10	MCCB	15mmøC
29	8-CONVENIENCE OUTLET	400/230	1440			6.26		20	100	1	10	MCCB	W3.5
30	SPARE	400/230	–			–		20	100	1	10	MCCB	15mmøC
				45.14	43.31	42.97							

IL = 45.14 AMPS
USE : Y14
MAIN : 60AT, 100AF, 400V, 3P, 10KAIC MCCB

PANEL: **"LPZB"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: GDP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : ZABANA BAR BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
2	8-CONVENIENCE OUTLET	400/230	1440	6.26				20	100	1	18	MCCB	W3.5
3	LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
4	SPARE	400/230	1000		–			20	100	1	18	MCCB	15mmøC
5	PROV. FOR LIGHTED & SIGNAGE	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
6	SPARE	400/230	1000			–		20	100	1	18	MCCB	15mmøC
				10.61	4.35	4.35							

IL = 10.61 AMPS
USE : Y8.0
MAIN : 40AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: **"LPADD"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: GDP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : ALL DAY DINING BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
2	LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
3	LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
4	LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
5	LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
6	LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
7	LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
8	LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
9	LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
10	LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
11	LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
12	LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
13	LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
14	12-CONVENIENCE OUTLET	400/230	2160	9.39				20	100	1	10	MCCB	W3.5
15	HAND DRYER	400/230	1500		6.52			20	100	1	10	RCBO	W3.5
16	12-CONVENIENCE OUTLET	400/230	2160		9.39			20	100	1	10	MCCB	W3.5
17	11-CONVENIENCE OUTLET	400/230	1980			8.61		20	100	1	10	MCCB	W3.5
18	13-CONVENIENCE OUTLET	400/230	2340			10.17		20	100	1	10	MCCB	W3.5
19	HAND DRYER	400/230	1500	6.52				20	100	1	10	RCBO	W3.5
20	SPARE	400/230	–	–				20	100	1	10	MCCB	15mmøC
21	POWER PROV. FOR SENSOR FLUSH & FAUCET	400/230	500		2.17			20	100	1	10	MCCB	W3.5
22	SPARE	400/230	–		–			20	100	1	10	MCCB	15mmøC
23	2-134W-FCU-PD.1 & PD.2	400/230	268			1.17		20	100	1	10	MCCB	W3.5
24	SPARE	400/230	–			–		20	100	1	10	MCCB	15mmøC
				37.66	35.48	37.35							

IL = 37.66 AMPS
USE : Y8.0
MAIN : 50AT, 100AF, 400V, 3P, 10KAIC MCCB

PANEL: **"GLP2"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: GDP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : GROUND FLOOR EE ROOM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
2	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
3	GF LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
4	GF LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
5	GF LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
6	GF LIGHTS	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
7	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
8	GF LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
9	GF LIGHTS, EM	400/230	800		3.48			20	100	1	10	MCCB	W3.5
10	GF LIGHTS, EM	400/230	800		3.48			20	100	1	10	MCCB	W3.5
11	GF LIGHTS, EM	400/230	800			3.48		20	100	1	10	MCCB	W3.5
12	GF LIGHTS, EM	400/230	800			3.48		20	100	1	10	MCCB	W3.5
13	FIRE EXIT LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
14	FIRE EXIT LIGHTS	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
15	FIRE EXIT LIGHTS	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
16	PROV. FOR WALL LIGHT FEATURE	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
17	PROV. FOR WALL LIGHT FEATURE	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
18	PROV. FOR WALL LIGHT FEATURE	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
19	13-CONVENIENCE OUTLET	400/230	2340	10.17				20	100	1	10	MCCB	W3.5
20	5-CONVENIENCE OUTLET	400/230	900	3.91				20	100	1	10	MCCB	W3.5
21	13-CONVENIENCE OUTLET	400/230	2340		10.17			20	100	1	10	MCCB	W3.5
22	10-CONVENIENCE OUTLET	400/230	1800		7.83			20	100	1	10	MCCB	W3.5
23	10-CONVENIENCE OUTLET	400/230	1620			7.83		20	100	1	10	MCCB	W3.5
24	11-CONVENIENCE OUTLET	400/230	1980			8.61		20	100	1	10	MCCB	W3.5
25	ATM MACHINE	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
26	ATM MACHINE	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
27	ATM MACHINE	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
28	ATM MACHINE	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
29	POWER PROV. FOR STRUCTURED CABLING AND CCTV(POE SWITCHES)	400/230	1500			6.52		20	100	1	10	MCCB	W3.5
30	SPARE	400/230	–			–		20	100	1	10	MCCB	15mmøC
				48.88	51.06	47.32							

IL = 51.06 AMPS
USE : Y14
MAIN : 60AT, 100AF, 400V, 3P, 10KAIC MCCB

PANEL: **"GDP"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: MDP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : GROUND FLOOR EE ROOM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	GPP1	400		19.00	18.90	21.51	138.50	150	225	3	35	MCCB	Z38
2	PROV. FOR MAIN KITCHEN	400	75410	51.96	53.30	53.04	56.29	150	225	3	35	MCCB	Y50
3	PROV. FOR MAIN KITCHEN	400	73200	98.70	97.83	121.74		150	225	3	35	MCCB	Y50
4	PROV. FOR RESTAURANT	400	29700				42.92	125	150	3	35	MCCB	Y38
5	GPP	400		51.98	51.98	49.34		70	100	3	35	MCCB	Y14
6	GLP	400	37400	45.14	43.31	42.97		60	100	3	35	MCCB	Y14
7	GLP2	400	29700	48.88	51.06	47.32		60	100	3	35	MCCB	Y14
8	LPBC(PROV. FOR BUTCHERY ROOM)	400	19550	5.70	3.22	9.57	22.08	60	100	3	35	MCCB	Y14
9	RETAIL 1 (60.00 SQM)	400	13200				19.05	50	100	3	42	MCCB	Y14
10	LPADD	400		37.66	35.48	37.35		50	100	3	35	MCCB	Y8.0
11	LPZB	400		10.61	4.35	4.35		40	100	3	35	MCCB	Y8.0
12	PP-ZB(PROV. FOR ZABANA BAR)	400	19550	11.30	11.52	22.61		40	100	3	35	MCCB	Y8.0
13	PROV. FOR GIFT SHOP	400	3300				4.76	30	100	3	35	MCCB	Y5.5
14	SPARE	400					–	30	100	3	35	MCCB	25mmøC
				380.93	370.95	409.80	283.60						

IL = (409.80 + 283.60) X 70%D.F + (25% X 27.00) = 492.13 AMPS
USE : 2 SETS OF [4-200mm² THHN/THWN (L+N) + 1-38mm² THHN/THWN (G) IN 90mmøC]
MAIN : 600AT, 600AF, 400V, 3P, 35KAIC MCCB

PANEL: **"2LP"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: 2DP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : 2ND FLOOR EE ROOM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	2F LIGHTS, EM	400/230	800	3.48				20	100	1	18	MCCB	W3.5
2	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
3	2F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
4	2F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
5	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
6	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
7	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
8	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
9	2F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
10	2F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
11	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
12	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
13	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
14	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
15	2F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
16	2F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
17	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
18	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
19	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
20	PROV. FOR MOTORIZED DRAPERIES	400/230	1500	6.52				20	100	1	18	MCCB	W3.5
21	9-CONVENIENCE OUTLET	400/230	1620		7.04			20	100	1	18	MCCB	W3.5
22	11-CONVENIENCE OUTLET	400/230	1980		8.61			20	100	1	18	MCCB	W3.5
23	9-CONVENIENCE OUTLET	400/230	1620			7.04		20	100	1	18	MCCB	W3.5
24	7-CONVENIENCE OUTLET	400/230	1260			5.48		20	100	1	18	MCCB	W3.5
25	2F LIGHTS, EM	400/230	800	3.48				20	100	1	18	MCCB	W3.5
26	11-CONVENIENCE OUTLET	400/230	1980	8.61				20	100	1	18	MCCB	W3.5
27	8-CONVENIENCE OUTLET	400/230	1440		6.26			20	100	1	18	MCCB	W3.5
28	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
29	11-CONVENIENCE OUTLET	400/230	1980			8.61		20	100	1	18	RCBO	W3.5
30	8-CONVENIENCE OUTLET	400/230	1440			6.26		20	100	1	18	MCCB	W3.5
31	8-CONVENIENCE OUTLET	400/230	1440	6.26				20	100	1	18	MCCB	W3.5
32	11-CONVENIENCE OUTLET	400/230	1980	8.61				20	100	1	18	MCCB	W3.5
33	8-CONVENIENCE OUTLET	400/230	1440		6.26			20	100	1	18	MCCB	W3.5
34	2F LIGHTS, EM	400/230	800		3.48			20	100	1	18	MCCB	W3.5
35	5-CONVENIENCE OUTLET	400/230	900			3.91		20	100	1	18	MCCB	W3.5
36	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
37	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
38	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
38	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
40	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
40	8-CONVENIENCE OUTLET	400/230	1440			6.26		20	100	1	18	MCCB	W3.5
42	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				63.06	57.75	63.66							

IL = 63.66 AMPS
USE : Y22
MAIN : 100AT, 125AF, 400V, 3P, 18KAIC MCCB

PANEL: **"2LP2"** MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY
FED FROM: 2DP POWDERED PAINT FINISH WITH MULTI-TERMINAL
LOCATION : 2ND FLOOR EE ROOM BLOCK FOR SOLID GROUND AND NEUTRAL BUS

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
2	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
3	2F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
4	2F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
5	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
6	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
7	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
8	PROV. FOR FACADE LIGHTS	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
9	PROV. FOR FACADE LIGHTS	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
10	PROV. FOR FACADE LIGHTS	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
11	PROV. FOR FACADE LIGHTS	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
12	PROV. FOR FACADE LIGHTS	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
13	PROV. FOR FACADE LIGHTS	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
14	PROV. FOR FACADE LIGHTS	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
15	PROV. FOR FACADE LIGHTS	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
16	PROV. FOR FACADE LIGHTS	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
17	PROV. FOR FACADE LIGHTS	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
18	2F LIGHTS, EM	400/230	800			3.48		20	100	1	18	MCCB	W3.5
19	2F LIGHTS, EM	400/230	800	3.48				20	100	1	18	MCCB	W3.5
20	1800W-FCU(BK.2 & BK.3)	400/230	1800	7.83				20	100	1	18	MCCB	W3.5
21	900W-FCU-BK.1	400/230	900		3.91			20	100	1	18	MCCB	W3.5
22	1-0.75HP, EF-2.1	400/230	1587		6.90			20	100	1	18	MCCB	W3.5
23	POWER PROV. FOR IDF(POE SWITCHES)	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
24	1-0.75HP(441W), ERV-SE.1	400/230	1000			6.90		20	100	1	18	MCCB	W3.5
25	SPARE BMS - DDC- AHU2	400/230	–	–				20	100	1	18	MCCB	15mmøC
26	2F LIGHTS, EM	400/230	800	3.48				20	100	1	18	MCCB	W3.5
27	900W-FCU-EXC.1	400/230	900		3.91			20	100	1	18	MCCB	W3.5
28	SPARE	400/230	–					20	100	1	18	MCCB	15mmøC
29	402W-FCU(IDF, 2S.1, 2S.2)	400/230	402			1.75		20	100	1	18	MCCB	W3.5
30	SPARE BMS - DDC- AHU2	400/230	–			–		20	100	1	18	MCCB	15mmøC
				40.89	40.82	40.40							

IL = 40.89 + (25% X 6.90) = 42.62 AMPS
USE : Y14
MAIN : 60AT, 100AF, 400V, 3P, 18KAIC MCCB

NOTES FOR BUILDING COMMON AREAS

1. MAIN CIRCUIT BREAKER SHALL BE VERTICALLY MOUNTED ON CENTER TOP OF THE PANELBOARD. BRANCH CIRCUIT BREAKERS SHALL BE BOLT-ON, MOLDED CASE CIRCUIT BREAKER AND INDUSTRIAL TYPE MOLDED CASE FOR MAIN CIRCUIT BREAKER. WIRE JUMPER CONNECTION TO PHASE BUS SHALL NOT BE PERMITTED.
2. LIGHTING PANELBOARD BRANCH CIRCUIT BREAKERS SHALL BE RATED WITH A SLASH VOLTAGE LABEL OF 400/230 VOLTS FOR A SINGLE POLE BREAKER AND SHALL HAVE A MINIMUM OF 10 KILOAMPERES INTERRUPTING CAPACITY UNLESS OTHERWISE SPECIFIED. FOR STRAIGHT LABEL VOLTAGE OF 400 VOLTS, THREE (3) POLE CIRCUIT BREAKERS, MINIMUM INTERRUPTING CAPACITY SHALL BE 10 KILOAMPERES.
3. ALL PANELBOARDS SHALL BE PROVIDED WITH MULTIPLE GROUND TERMINAL BLOCK FOR BRANCH CIRCUIT NEUTRAL AND EQUIPMENT GROUND WIRE. MAIN LUGS, SHALL BE PROVIDED FOR CONNECTION TO BUILDING GROUNDING SYSTEM. LOCALLY FABRICATED MULTIPLE TERMINAL GROUND BLOCK SHALL NOT BE PERMITTED.
4. DISTRIBUTION PANELBOARD FEEDER CIRCUIT BREAKERS SHALL BE INDUSTRIAL TYPE MOLDED CASE CIRCUIT BREAKERS.
5. PANELBOARD SHALL BE MADE WITH MINIMUM GAUGE 16 B.I. METAL SHEET AND POWDER-COATED PAINT WITH ANSI GRAY COLOR FINISH OR AS SPECIFIED.

CONSTRUCTION BULLETIN
DATE: 10-27-2025

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT

REG. NO.:	10589		
P.T.R. NO.:	8857744	DATE ISSUED:	10JAN22
ISSUED AT:	MAKATI CITY	T.I.N.:	159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY

MARIO A. ALIX
PROFESSIONAL ELECTRICAL ENGINEER

REG. NO.:	1688		
P.T.R. NO.:	2097023	DATE ISSUED:	01-08-25
ISSUED AT:	MANILA	T.I.N.:	117-142-077

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	JAN2023
CHECKED BY:	JRO	JAN2023
APPROVED BY:	MAA	JAN2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: LOAD SCHEDULE (PART 1 OF 3)
FILE NAME:
SHEET NUMBER: EE-21

1 EE-22 LOAD SCHEDULE (PART 2 OF 3)

SCALE NTS

PANEL: "2LP3" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 2DP
LOCATION : 2ND FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-2.3kW(3HP), ACCU-SR.1	400/230	2705	11.76				30	100	1	18	MCCB	W3.5
2	1-1.4kW(2HP), ACCU-MIS.1	400/230	1647	7.16				20	100	1	18	MCCB	W3.5
3	1-2.3kW(3HP), ACCU-SR.2	400/230	2705		11.76			30	100	1	18	MCCB	W3.5
4	1-1.4kW(2HP), ACCU-MIS.2	400/230	1647		7.16			20	100	1	18	MCCB	W3.5
5	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
6	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
7	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
8	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
9	2F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
10	2F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
11	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
12	2F LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
13	2F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
14	PROV. FOR MOTORIZED DRAPERIES	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
15	POWER PROV. FOR SENSOR FLUSH & FAUCET	400/230	500		2.17			20	100	1	18	MCCB	W3.5
16	HAND DRYER	400/230	1500		6.52			20	100	1	18	RCBO	W3.5
17	PROV. FOR WALL LAMPS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
18	PROV. FOR WALL LAMPS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
19	HAND DRYER	400/230	1500	6.52				20	100	1	18	RCBO	W3.5
20	HAND DRYER	400/230	1500	6.52				20	100	1	18	RCBO	W3.5
21	HAND DRYER	400/230	1500		6.52			20	100	1	18	RCBO	W3.5
22	HAND DRYER	400/230	1500		6.52			20	100	1	18	RCBO	W3.5
23	PROV. FOR WAP UPS	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
24	PROV. FOR LAN UPS	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
25	POWER PROV. FOR SENSOR FLUSH & FAUCET	400/230	500	2.17				20	100	1	18	MCCB	W3.5
26	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
27	POWER PROV. FOR SENSOR FLUSH & FAUCET	400/230	500		2.17			20	100	1	18	MCCB	W3.5
28	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
29	PROV. FOR POS UPS	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
30	PROV. FOR PABX UPS	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
				51.53	51.52	52.18							

I_L = 52.18 + (25% X 11.76) = 55.12 AMPS
USE : Y14
MAIN : 70AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "2PP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 2DP
LOCATION : 2ND FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-10HP(7kW), AHU-B3	400	12470				18.00	50	100	3	35	MCCB	Z5.5
2	1-10HP(7kW), AHU-B2	400	12470				18.00	50	100	3	35	MCCB	Z5.5
3	1-10HP(7kW), AHU-PF	400	12470				18.00	50	100	3	35	MCCB	Z5.5
4	1-10HP(7kW), AHU-EL	400	12470				18.00	50	100	3	35	MCCB	Z5.5
5	1-10HP(7kW), EF-GS.1	400	12470				18.00	50	100	3	35	MCCB	Z5.5
6	1-10HP(7kW), EF-GS.2	400	12470				18.00	50	100	3	35	MCCB	Z5.5
7	1-7.5HP(6kW), KEF-2.1	400	9699				14.00	40	100	3	35	MCCB	Z3.5
8	1-7.5HP(6kW), KEF-2.2	400	9699				14.00	40	100	3	35	MCCB	Z3.5
9	1-7.5HP(5kW), AHU-B1	400	9699				14.00	40	100	3	35	MCCB	Z3.5
10	1-7.5HP(5.5kW), EF-CHR.1	400	9699				14.00	40	100	3	35	MCCB	Z3.5
11	1-7.5HP(5.5kW), EF-CHR.2	400	9699				14.00	40	100	3	35	MCCB	Z3.5
12	1-5HP(4kW), AHU-FR.3	400	6720				9.70	30	100	3	35	MCCB	Z3.5
13	1-5HP(3kW), AHU-FR.2	400	6720				9.70	30	100	3	35	MCCB	Z3.5
14	1-0.75HP(0.55kW), PAHU-BK.1	400	1247				1.80	30	100	3	35	MCCB	Z3.5
15	1-5HP(3kW), PAHU-BK.2	400	6720				9.70	30	100	3	35	MCCB	Z3.5
16	1-5HP(3.5kW), EF-2.3	400	6720				9.70	30	100	3	35	MCCB	Z3.5
17	1-5HP(3kW), SEF-2.5	400	6720				9.70	30	100	3	35	MCCB	Z3.5
18	1-0.75HP(0.55kW), PAHU-BK.3	400	1247				1.80	20	100	3	35	MCCB	Z3.5
19	1-3HP(2kW), PAHU-FR	400	4226				6.10	20	100	3	35	MCCB	Z3.5
20	1-3HP(2kW), PAHU-PF	400	4226				6.10	20	100	3	35	MCCB	Z3.5
21	1-3HP(2kW), PAHU-3.1	400	4226				6.10	20	100	3	35	MCCB	Z3.5
22	1-3HP(2kW), PAHU-B1&B3	400	4226				6.10	20	100	3	35	MCCB	Z3.5
23	1-3HP(2kW), EF-2.4	400	4226				6.10	20	100	3	35	MCCB	Z3.5
24	1-3HP(2kW), EF-2B.2	400	4226				6.10	20	100	3	35	MCCB	Z3.5
25	1-3HP(2.5kW), EF-2B.3	400	4226				6.10	20	100	3	35	MCCB	Z3.5
26	1-3HP(2.5kW), TEF-2.3	400	4226				6.10	20	100	3	35	MCCB	Z3.5
27	1-2HP(1.5kW), EF-2.2	400	2979				4.30	20	100	3	35	MCCB	Z3.5
28	1-2HP(1.5kW), EF-2B.1	400	2979				4.30	20	100	3	35	MCCB	Z3.5
29	1-2HP(1.5kW), EF-2B.1	400	2979				4.30	20	100	3	35	MCCB	Z3.5
30	1-1.5HP(1.0kW), PAHU-B2	400	2979				4.30	20	100	3	35	MCCB	Z3.5
31	1-5HP(3kW), KEF-EXC.1	400	6720				9.70	30	100	3	35	MCCB	Z3.5
32	1-1.5HP(1.5kW), PAHU-EXC.1	400	2286				3.30	20	100	3	35	MCCB	Z3.5
33	SPARE BMS-DDC CHILLER	400					–	20	100	3	22	MCCB	15mmøC
34	SPARE BMS-DDC GEN SET	400					–	20	100	3	22	MCCB	15mmøC
							309.10						

I_L = 309.10 + (25% X 18.00) = 313.60 AMPS
USE : Z200
MAIN : 350AT, 400AF, 400V, 3P, 35KAIC MCCB

PANEL: "2DP-F" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 2DP
LOCATION : 2ND FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	LPMB	400		37.84	38.53	36.97	105.00	150	225	3	22	MCCB	Y50
2	PP-BANQUET(PROV. FOR BANQUET KIT.)	400	41190	28.70	28.04	31.04	30.31	100	100	3	22	MCCB	Y30
3	PP-EXEC(PROV. FOR EXECUTIVE LOUNGE)	400	29500	43.91	42.61	41.74		75	100	3	22	MCCB	Y22
4	PROVISION FOR FUNCTION ROOM 1	400	24375				35.18	50	100	3	22	MCCB	Y14
5	PROVISION FOR FUNCTION ROOM 2	400	19575				28.25	50	100	3	22	MCCB	Y14
6	SPARE	400	19575				–	50	100	3	22	MCCB	25mmøC
				110.45	109.18	109.75	198.75						

I_L = (110.45 + 198.75) X 70%DF = 216.44 AMPS
USE : Y125
MTS MAIN : 2-250AT, 250AF, 400V, 3P, 22KAIC MCCB

PANEL: "2DP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MDP
LOCATION : 2ND FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	2PP	400					309.10	350	400	3	65	MCCB	Z200
2	2DP-F	400		110.45	109.18	109.75	198.75	250	250	3	65	MCCB	Y125
3	PROVISION FOR SWIMMING POOL	400	6356				100.00	150	225	3	65	MCCB	Y60
4	2LP	400		63.06	57.75	63.66		100	125	3	65	MCCB	Y22
5	2LP3	400		51.53	51.52	52.18		70	100	3	65	MCCB	Y14
6	2LP2	400		40.89	40.82	40.40		60	100	3	65	MCCB	Y14
7	DPUPS-OUT	400	20680	16.00	16.00	16.00		50	100	3	65	MCCB	Y14
8	SPARE	400	6356				–	50	100	3	65	MCCB	25mmøC
				281.93	275.27	281.99	607.85						

I_L = (275.27 + 607.85) X 90%DF + (25% X 18.00) = 799.31 AMPS
USE : 4 SETS OF [3-125mm² THHN/THWN (L) + 1-60mm² THHN/THWN (N) + 1-60mm² THHN/THWN (G) IN 80mmøC]
MAIN : 1000AT, 1200AF, 400V, 3P, 65KAIC MCCB

PANEL: "LPMB" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 2DP-F
LOCATION : MAIN BALLROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	POWER PROV. FOR BALL ROOM EQUIPMENT	400/230	20784				30.00	50	100	3	18	MCCB	Y14
2	POWER PROV. FOR BALL ROOM EQUIPMENT	400/230	20784				30.00	50	100	3	18	MCCB	Y14
3	POWER PROV. FOR BALL ROOM EQUIPMENT	400/230	20784				30.00	50	100	3	18	MCCB	Y14
4	SPARE	400/230	10392				15.00	20	100	3	18	MCCB	15mmøC
5	LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
6	LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
7	LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
8	LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
9	LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
10	LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
11	LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
12	LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
13	LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
14	LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
15	LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
16	LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
17	SPARE	400/230	1000			4.35		20	100	1	18	MCCB	15mmøC
18	SPARE	400/230	1000			4.35		20	100	1	18	MCCB	15mmøC
19	15-CONVENIENCE OUTLET	400/230	2700	11.74				20	100	1	18	MCCB	W3.5
20	LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
21	14-CONVENIENCE OUTLET	400/230	2520		10.96			20	100	1	18	MCCB	W3.5
22	13-CONVENIENCE OUTLET	400/230	2340		10.17			20	100	1	18	MCCB	W3.5
23	PROV. FOR MOTORIZED PROJECTOR SCREEN & EQUIPMENT	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
24	LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
25	LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
26	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
27	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
28	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
29	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
30	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				37.84	38.53	36.97	105.00						

I_L = (38.53 + 105.00) X 80%DF = 114.82 AMPS
USE : Y50
MAIN : 150AT, 225AF, 400V, 3P, 18KAIC MCCB

PANEL: "LPWP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 3PP
LOCATION : WELLNESS SPA

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	PROVISION FOR STEAM GENERATOR	400/230	9000				13.00	50	100	3	18	MCCB	Z8.0
2	PROVISION FOR STEAM GENERATOR	400/230	9000				13.00	50	100	3	18	MCCB	Z8.0
3	PROVISION FOR STEAM GENERATOR	400/230	9000				13.00	50	100	3	18	MCCB	Z8.0
4	PROVISION FOR STEAM GENERATOR	400/230	9000				13.00	50	100	3	18	MCCB	Z8.0
5	HAND DRYER	400/230	1500	6.52				20	100	1	18	RCBO	W3.5
6	HAND DRYER	400/230	1500	6.52				20	100	1	18	RCBO	W3.5
7	HAND DRYER	400/230	1500		6.52			20	100	1	18	RCBO	W3.5
8	LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
9	8-CONVENIENCE OUTLETS	400/230	1440			6.26		20	100	1	18	MCCB	W3.5
10	1-0.75HP(310W), TEF-3A	400/230	620			6.90		20	100	1	18	MCCB	W3.5
11	480W-FCU(3.E.1, 3.E.2, 3.F.1)	400/230	480	2.09				20	100	1	18	MCCB	W3.5
12	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
13	1-0.75HP(310W), TEF-3A	400/230	1587		6.90			20	100	1	18	MCCB	W3.5
14	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
15	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
16	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				15.13	17.77	13.16	52.00						

I_L = (17.77 + 52.00) + (25% X 13.00) = 73.02 AMPS
USE : Y22
MAIN : 100AT, 125AF, 400V, 3P, 18KAIC MCCB

PANEL: "LPGYM" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 3PP
LOCATION : FITNESS CENTER

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
2	6-CONVENIENCE OUTLETS	400/230	1080	4.70				20	100	1	18	MCCB	W3.5
3	PROVISION FOR GYM EQUIPMENT	400/230	1500		6.52			20	100	1	18	MCCB	W3.5
4	PROVISION FOR GYM EQUIPMENT	400/230	1500		6.52			20	100	1	18	MCCB	W3.5
5	PROVISION FOR GYM EQUIPMENT	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
6	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
7	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
8	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
9	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
10	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
11	402W-FCU(FC.1-FC.3)	400/230	402			1.75		20	100	1	18	MCCB	W3.5
12	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				9.04	13.04	8.27							

I_L = 13.04 AMPS
USE : Y8.0
MAIN : 40AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "LPKID" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 3PP
LOCATION : KID'S CLUB

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
2	SPARE	400/230	1000	–				20	100	1	18	MCCB	15mmøC
3	1-134W, FCU-3A.1	400/230	134		0.58			20	100	1	18	MCCB	W3.5
4	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
5	5-CONVENIENCE OUTLETS	400/230	900			3.91		20	100	1	18	MCCB	W3.5
6	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				4.35	0.58	3.91							

I_L = 4.35 AMPS
USE : Y8.0
MAIN : 40AT, 100AF, 400V, 3P, 10KAIC MCCB

PANEL: "LPGB" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 3PP
LOCATION : GRILL BAR

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-7.5HP(5kW), KEF-3.3	400	4226				14.00	40	100	3	18	MCCB	Z3.5
2	1-5HP(3kW), KEF-3.1	400	1593				9.70	30	100	3	18	MCCB	Z3.5
3	1-2HP(1.5kW), KEF-3.2	400	1000				4.30	20	100	3	18	MCCB	Z3.5
4	1-1.5HP(1.1kW), PAHU-3.1	400	1260				3.30	20	100	3	18	MCCB	Z3.5
5	1-0.75HP(0.55kW), PAHU-3.2	400	762				1.80	20	100	3	18	MCCB	Z3.5
6	SPACE	400						–	100	3	–	–	–
7	802W-FCU(3B.1-3B.6 & 3.1)	400/230	802	3.49				20	100	1	18	MCCB	W3.5
8	LIGHTS	400/230	1500	6.52				20	100	1	18	MCCB	W3.5
9	10-CONVENIENCE OUTLET	400/230	1800		7.83			20	100	1	18	MCCB	15mmøC
10	SPARE				–			20	100	1	18	MCCB	15mmøC
				10.01	7.83		33.10						

I_L = (10.01 + 33.10) + (25% X 14.00) = 46.61 AMPS
USE : Y14
MAIN : 70AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "3LP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 3DP
LOCATION : 3RD FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	3F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
2	3F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
3	3F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
4	3F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
5	PROV. FOR LANDSCAPE LIGHTING	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
6	PROV. FOR LANDSCAPE LIGHTING	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
7	PROV. FOR LANDSCAPE LIGHTING	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
8	PROV. FOR LANDSCAPE LIGHTING	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
9	PROV. FOR LANDSCAPE LIGHTING	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
10	PROV. FOR LANDSCAPE LIGHTING	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
11	PROV. FOR LANDSCAPE LIGHTING	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
12	PROV. FOR FACADE LIGHTING	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
13	PROV. FOR FACADE LIGHTING	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
14	PROV. FOR FACADE LIGHTING	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
15	PROV. FOR FACADE LIGHTING	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
16	PROV. FOR FACADE LIGHTING	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
17	3F LIGHTS, EM	400/230	800			3.48		20	100	1	18	MCCB	W3.5
18	3F LIGHTS, EM	400/230	800			3.48		20	100	1	18	MCCB	W3.5
19	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
20	5-CONVENIENCE OUTLET	400/230	900	3.91				20	100	1	18	MCCB	W3.5
21	1-0.25HP(160W), EF-3.1	400/230	667		2.90			20	100	1	18	MCCB	W3.5
22	520W-TEF(A, 3C, & 3D)	400/230	520		2.26			20	100	1	18	MCCB	W3.5
23	408W-FCU(3A.1, 3A.2, 3.D.1, 3.D.2, & IDF)	400/230	408			1.77		20	100	1	18	MCCB	W3.5
24	7-CONVENIENCE OUTLET	400/230	1260			5.48		20	100	1	18	MCCB	W3.5
25	1-0.5HP, EF-3A	400/230	1127	4.90				20	100	1	18	MCCB	W3.5
26	5-CONVENIENCE OUTLET	400/230	900	3.91				20	100	1	18	MCCB	W3.5
27	6-CONVENIENCE OUTLETS	400/230	1080		4.70			20	100	1	18	MCCB	W3.5
28	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
29	POWER PROV. FOR IDF(POE SWITCHES)	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
30	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				38.81	35.95	38.12							

I_L = 38.81 + (25% X 4.90) = 40.03 AMPS
USE : Y14
MAIN : 60AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "3DP1" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 3DP
LOCATION : 3RD FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	JUNIOR SUITE 1	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
2	JUNIOR SUITE 2	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
3	JUNIOR SUITE 2	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
4	TWIN SUITE 1	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
5	TWIN SUITE 2	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
6	TWIN SUITE 3	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
7	TWIN SUITE 4	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
8	TWIN SUITE 5	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
9	TWIN SUITE 6	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
10	TWIN SUITE 7	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
11	TWIN SUITE 8	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
12	TWIN SUITE 9	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
13	TWIN SUITE 10	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
14	TWIN SUITE 11	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
15	TWIN SUITE 12	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
16	TWIN SUITE 13	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
17	TWIN SUITE 14	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
18	TWIN SUITE 15	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
19	TWIN SUITE 16	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
20	TWIN SUITE 17	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
21	TWIN SUITE 18	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
22	TWIN SUITE 19	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
23	TWIN SUITE 20	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
24	TWIN SUITE 21	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
25	TWIN SUITE 22	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
26	TWIN SUITE 23	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
27	QUEEN SUITE 1	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
28	QUEEN SUITE 2	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
29	QUEEN SUITE 3	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
30	QUEEN SUITE 4	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
31	QUEEN SUITE 5	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
32	QUEEN SUITE 6	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
33	QUEEN SUITE 7	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
34	QUEEN SUITE 8	400/230	6150		31.09			30	100	1	35	MCCB	W5.5
35	QUEEN SUITE 9	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
36	QUEEN SUITE 10	400/230	6150			31.09		30	100	1	35	MCCB	W5.5
37	QUEEN SUITE 11	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
38	QUEEN SUITE 12	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
39	EXECUTIVE SUITE 1	400/230	6150		33.91			40	100	1	35	MCCB	W8.0
40	EXECUTIVE SUITE 2	400/230	6150		33.91			40	100	1	35	MCCB	W8.0
41	EXECUTIVE SUITE 3	400/230	6150			33.91		40	100	1	35	MCCB	W8.0
42	EXECUTIVE SUITE 4	400/230	6150			33.91		40	100	1	35	MCCB	W8.0
43	SPECIALLY-ABLE 1	400/230	6150	31.09				30	100	1	35	MCCB	W5.5
44	SPACE	400/230	–	–				–	100	1	–	–	–
				466.35	440.90	440.90							

I_L = 466.35 X 80% D.F = 373.08 AMPS
USE : 2Y100
MAIN : 400AT, 400AF, 400V, 3P, 35KAIC MCCB

PANEL: "3PP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MDP
LOCATION : 3RD FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	LPWP	400		15.13	17.77	13.16	52.00	100	125	3	18	MCCB	Y22
2	PP-KGB(KITCHEN GRILL BAR)	400		20.61	21.09	20.00	25.98	75	100	3	18	MCCB	Y22
3	LPGB	400		10.01	7.83	–	33.10	70	100	3	18	MCCB	Y14
4	LPKID	400		4.35	0.58	3.91		40	100	3	18	MCCB	Y8.0
5	LPGYM	400		9.04	13.04	8.27		40	100	3	18	MCCB	Y8.0
6	PP-KGBP(POOL & GRILL BAR)	400		12.13	13.48	22.61		40	100	3	18	MCCB	Y8.0
7	SPARE	400					–	20	100	3	18	MCCB	25mmøC
				71.27	73.79	67.95	111.08						

I_L = (73.79 + 111.08) X 80%DF + (25% X 14.00) = 151.40 AMPS
USE : 4-80mm² THHN/THWN (L+N) + 1-14mm² THHN/THWN(G) IN 65mmøC
MAIN : 175AT, 225AF, 400V, 3P, 18KAIC MCCB

PANEL: "3DP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: HOTEL BUSWAY-LZ
LOCATION : 3RD FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	3DP1	400		466.35	440.90	440.90		400	400	3	35	MCCB	2Y100
2	3LP	400		38.81	35.95	38.12		60	100	3	35	MCCB	Y14
				505.16	476.85	479.02							

I_L = 505.16 X 70% D.F + (25% X 14.00) = 357.11 AMPS
USE : 2Y125
MAIN : 500AT, 500AF, 400V, 3P, 35KAIC MCCB

PANEL: "5LP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 5DP
LOCATION : 5TH FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-5HP(3kW), SMEF-3	400	6720				9.70	20	100	3	18	MCCB	Z3.5 (FIRE RATED CABLE)
2	1-5HP(3kW), SFAF-3	400	6720				9.70	20	100	3	18	MCCB	Z3.5
3	5F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
4	5F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
5	PROV. FOR LANDSCAPE LIGHTING	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
6	PROV. FOR LANDSCAPE LIGHTING	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
7	PROV. FOR LANDSCAPE LIGHTING	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
8	PROV. FOR OUTDOOR EVENTS LIGHTING	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
9	PROV. FOR OUTDOOR EVENTS LIGHTING	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
10	PROV. FOR OUTDOOR EVENTS LIGHTING	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
11	PROV. FOR FACADE LIGHTING	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
12	PROV. FOR FACADE LIGHTING	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
13	PROV. FOR FACADE LIGHTING	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
14	PROV. FOR FACADE LIGHTING	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
15	PROV. FOR FACADE LIGHTING	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
16	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
17	8-CONVENIENCE OUTLET	400/230	1440		5.48			20	100	1	18	MCCB	W3.5
18	HAND DRYER	400/230	1500		6.52			20	100	1	18	RCBO	W3.5
19	HAND DRYER	400/230	1500			6.52		20	100	1	18	RCBO	W3.5
20	HAND DRYER	400/230	1500			6.52		20	100	1	18	RCBO	W3.5
21	9-CONVENIENCE OUTLET (EVENT'S PLACE)	400/230	1620	7.04				20	100	1	18	RCBO	W3.5
22	5F LIGHTS, EM	400/230	800	3.48				20	100	1	18	MCCB	W3.5
23	692W-FCU(5G.1, 5G.2 5.D.SL, 5.D.LL, & IDF)	400/230	648		3.00			20	100	1	18	MCCB	W3.5
24	5F LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
25	32-11W-TEF	400/230	352			1.53		20	100	1	18	MCCB	W3.5
26	POWER PROV. FOR IDF(POE SWITCHES)	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
27	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
28	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
29	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
30	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
31	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
32	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				32.26	36.74	38.48	19.40						

I_L = (38.48 + 19.40) + (25% X 9.70) = 60.31 AMPS
USE : Y22
MAIN : 100AT, 125AF, 400V, 3P, 18KAIC MCCB

PANEL: "5DP1" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 5DP
LOCATION : 5TH FLOOR EE RROM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	JUNIOR SUITE 1	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
2	JUNIOR SUITE 2	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
3	TWIN SUITE 1	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
4	TWIN SUITE 2	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
5	TWIN SUITE 3	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
6	TWIN SUITE 4	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
7	TWIN SUITE 5	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
8	TWIN SUITE 6	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
9	TWIN SUITE 7	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
10	TWIN SUITE 8	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
11	TWIN SUITE 9	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
12	TWIN SUITE 10	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
13	TWIN SUITE 11	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
14	TWIN SUITE 12	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
15	TWIN SUITE 13	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
16	TWIN SUITE 14	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
17	TWIN SUITE 15	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
18	TWIN SUITE 16	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
19	TWIN SUITE 17	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
20	TWIN SUITE 18	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
25	TWIN SUITE 19	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
22	QUEEN SUITE 1	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
23	QUEEN SUITE 2	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
24	QUEEN SUITE 3	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
21	QUEEN SUITE 4	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
26	QUEEN SUITE 5	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
27	QUEEN SUITE 6	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
28	QUEEN SUITE 7	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
29	QUEEN SUITE 8	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
30	QUEEN SUITE 9	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
31	QUEEN SUITE 10	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
32	SPARE	400/230	1000	–				30	100	1	22	MCCB	15mmøC
33	SPECIALLY-ABLE SUITE	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
34	SPARE	400/230	1000		–			30	100	1	22	MCCB	15mmøC
				222.42	222.42	202.20							

I_L = 222.42 X 80% D.F = 177.94 AMPS
USE : Y100
MAIN : 200AT, 225AF, 400V, 3P, 22KAIC MCCB

PANEL: "5DP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: HOTEL BUSWAY-LZ
LOCATION : 5TH FLOOR EE RROM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	5DP1	400		222.42	222.42	202.20		200	225	3	35	MCCB	Y100
2	5LP	400		32.26	36.74	38.48	19.40	100	125	3	35	MCCB	Y22
				254.68	259.16	240.68	19.40						

I_L = (259.16 + 19.40) X 70% D.F + (25% X 9.70) = 197.42 AMPS
USE : Y125
MAIN : 225AT, 250AF, 400V, 3P, 35KAIC MCCB

PANEL: "6LP" TYPICAL UP TO "9LP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 6DP TYPICAL UP TO 9DP
LOCATION : 6TH-9TH FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	6F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
2	6F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
3	PROV. FOR FACADE LIGHTS	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
4	PROV. FOR FACADE LIGHTS	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
5	PROV. FOR FACADE LIGHTS	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
6	PROV. FOR FACADE LIGHTS	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
7	512W-FCU(6.D.SL, 6.D.LL & IDF)	400/230	512	2.23				20	100	1	18	MCCB	W3.5
8	PROV. FOR FACADE LIGHTS	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
9	POWER PROV. FOR IDF (POE SWITCHES @ 8F)	400/230	1500		6.52			20	100	1	18	MCCB	W3.5
10	33-11W-TEF	400/230	363		1.58			20	100	1	18	MCCB	W3.5
11	8-CONVENIENCE OUTLET	400/230	1440			6.26		20	100	1	18	MCCB	W3.5
12	6F LIGHTS, EM	400/230	800			3.48		20	100	1	18	MCCB	W3.5
13	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
14	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
15	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
16	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
17	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
18	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				15.28	16.80	18.44							

I_L = 18.44 + (25% X 0.82) = 18.64 AMPS
USE : Y8.0
MAIN : 40AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "6DP" TYPICAL TO "7DP", "8DP", "9DP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: HOTEL BUSWAY-LZ(6F-8F), HOTEL BUSWAY-HZ(9F)
LOCATION : 6TH FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	6DP1	400		222.42	222.42	222.42		200	225	3	35	MCCB	Y100
2	6LP	400		15.28	16.80	18.44		40	100	3	35	MCCB	Y8.0
				237.70	239.22	240.86							

I_L = (240.86 X 70% D.F) + (25% X 0.82) = 168.80 AMPS
USE : Y125
MAIN : 225AT, 250AF, 400V, 3P, 35KAIC MCCB

PANEL: "10LP" TYPICAL UP TO "12LP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 10DP TYPICAL UP TO 12DP
LOCATION : 10TH-12TH FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	10F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
2	10F LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
3	PROV. FOR FACADE LIGHTS	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
4	PROV. FOR FACADE LIGHTS	400/230	1000		4.35			20	100	1	18	RCBO	W3.5
5	PROV. FOR FACADE LIGHTS	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
6	8-CONVENIENCE OUTLET	400/230	1440			6.26		20	100	1	18	MCCB	W3.5
7	PROV. FOR FACADE LIGHTS	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
8	PROV. FOR FACADE LIGHTS	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
9	POWER PROV. FOR IDF(POE SWITCHES @ 11F)	400/230	1500		6.52			20	100	1	18	MCCB	W3.5
10	27-11W-TEF-A	400/230	297		1.29			20	100	1	18	MCCB	W3.5
11	512W-FCU(10.D.SL, 10.D.LL & IDF)	400/230	512			2.23		20	100	1	18	MCCB	W3.5
12	11F LIGHTS, EM	400/230	800			3.48		20	100	1	18	MCCB	W3.5
13	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
14	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
15	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
16	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
17	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
18	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				17.40	16.51	16.32							

I_L = 17.40 + (25% X 0.82) = 17.61 AMPS
USE : Y8.0
MAIN : 40AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "6DP1" TYPICAL UP TO "9DP1" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 6DP TYPICAL UP TO 9DP
LOCATION : 6TH FLOOR EE RROM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	JUNIOR SUITE 1	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
2	JUNIOR SUITE 2	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
3	JUNIOR SUITE 3	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
4	TWIN SUITE 1	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
5	TWIN SUITE 2	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
6	TWIN SUITE 3	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
7	TWIN SUITE 4	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
8	TWIN SUITE 5	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
9	TWIN SUITE 6	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
10	TWIN SUITE 7	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
11	TWIN SUITE 8	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
12	TWIN SUITE 9	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
13	TWIN SUITE 10	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
14	TWIN SUITE 11	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
15	TWIN SUITE 12	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
16	TWIN SUITE 13	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
17	TWIN SUITE 14	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
18	TWIN SUITE 15	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
19	TWIN SUITE 16	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
20	TWIN SUITE 17	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
21	TWIN SUITE 18	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
22	TWIN SUITE 19	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
23	QUEEN SUITE 1	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
24	QUEEN SUITE 2	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
25	QUEEN SUITE 3	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
26	QUEEN SUITE 4	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
27	QUEEN SUITE 5	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
28	QUEEN SUITE 6	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
29	QUEEN SUITE 7	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
30	QUEEN SUITE 8	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
31	QUEEN SUITE 9	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
32	SPARE	400/230	1000	–				20	100	1	22	MCCB	15mmøC
33	QUEEN SUITE 10	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
34	SPARE	400/230	1000		–			20	100	1	22	MCCB	15mmøC
35	SPECIALLY-ABLE SUITE	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
36	SPARE	400/230	1000			–		20	100	1	22	MCCB	15mmøC
				222.42	222.42	222.42							

I_L = 222.42 X 80% D.F = 177.94 AMPS
USE : Y100
MAIN : 200AT, 225AF, 400V, 3P, 22KAIC MCCB

PANEL: "10DP1" TYPICAL TO "11DP1" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 10DP TYPICAL TO 11DP
LOCATION : 10TH FLOOR EE RROM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	JUNIOR SUITE 1	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
2	JUNIOR SUITE 2	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
3	TWIN SUITE 1	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
4	TWIN SUITE 2	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
5	TWIN SUITE 3	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
6	TWIN SUITE 4	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
7	TWIN SUITE 5	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
8	TWIN SUITE 6	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
9	TWIN SUITE 7	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
10	TWIN SUITE 8	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
11	TWIN SUITE 9	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
12	TWIN SUITE 10	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
13	TWIN SUITE 11	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
14	TWIN SUITE 12	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
15	TWIN SUITE 13	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
16	QUEEN SUITE 1	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
17	QUEEN SUITE 2	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
18	QUEEN SUITE 3	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
19	QUEEN SUITE 4	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
20	SPARE	400/230	1000	–				30	100	1	22	MCCB	15mmøC
21	QUEEN SUITE 5	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
22	SPARE	400/230	1000		–			30	100	1	22	MCCB	15mmøC
23	QUEEN SUITE 6	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
24	SPARE	400/230	1000			–		30	100	1	22	MCCB	15mmøC
25	EXECUTIVE SUITE 1	400/230	7799	33.91				40	100	1	22	MCCB	W8.0
26	EXECUTIVE SUITE 2	400/230	7799	33.91				40	100	1	22	MCCB	W8.0
27	EXECUTIVE SUITE 3	400/230	7799		33.91			40	100	1	22	MCCB	W8.0
28	EXECUTIVE SUITE 4	400/230	7799		33.91			40	100	1	22	MCCB	W8.0
29	EXECUTIVE SUITE 5	400/230	7799			33.91		40	100	1	22	MCCB	W8.0
30	EXECUTIVE SUITE 6	400/230	7799			33.91		40	100	1	22	MCCB	W8.0
				209.36	209.36	209.36							

I_L = 209.36 X 80% D.F = 167.49 AMPS
USE : Y100
MAIN : 200AT, 225AF, 400V, 3P, 22KAIC MCCB

CONSTRUCTION BULLETIN
DATE: 10-27-2025

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589 | P.T.R. NO.: 8857744 | DATE ISSUED: 10JAN22 | ISSUED AT: MAKATI CITY | T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY

MARIO A. ALIX
PROFESSIONAL ELECTRICAL ENGINEER
REG. NO.: 1688 | P.T.R. NO.: 2097023 | DATE ISSUED: 01-08-25 | ISSUED AT: MANILA | T.I.N.: 117-142-077

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE. SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	JAN2023
CHECKED BY:	JRO	JAN2023
APPROVED BY:	MAA	JAN2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: LOAD SCHEDULE (PART 2 OF 3)
FILE NAME:
SHEET NUMBER: EE-22

1 LOAD SCHEDULE (PART 3 OF 3)

EE-23 SCALE NTS

PANEL: "10DP" TYPICAL TO "11DP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: HOTEL BUSWAY-HZ
LOCATION : 10TH FLOOR EE RROM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	10DP1	400		209.36	209.36	209.36		200	225	3	35	MCCB	Y100
2	10LP	400		17.40	16.51	16.32		40	100	3	35	MCCB	Y8.0
				226.76	225.87	225.68							

IL = (226.76 X 70% D.F) + (25% X 0.82) = 158.94 AMPS
USE : Y125
MAIN : 225AT, 250AF, 400V, 3P, 35KAIC MCCB

PANEL: "12DP1" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: 12DP
LOCATION : 12TH FLOOR EE RROM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	JUNIOR SUITE 1	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
2	JUNIOR SUITE 2	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
3	TWIN SUITE 1	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
4	TWIN SUITE 2	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
5	TWIN SUITE 3	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
6	TWIN SUITE 4	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
7	TWIN SUITE 5	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
8	TWIN SUITE 6	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
9	TWIN SUITE 7	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
10	TWIN SUITE 8	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
11	TWIN SUITE 9	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
12	TWIN SUITE 10	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
13	TWIN SUITE 11	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
14	QUEEN SUITE 1	400/230	4651	20.22				30	100	1	22	MCCB	W5.5
15	QUEEN SUITE 2	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
16	QUEEN SUITE 3	400/230	4651		20.22			30	100	1	22	MCCB	W5.5
17	QUEEN SUITE 4	400/230	4651			20.22		30	100	1	22	MCCB	W5.5
18	EXECUTIVE SUITE 1	400/230	4651			33.91		40	100	1	22	MCCB	W8.0
19	EXECUTIVE SUITE 2	400/230	7799	33.91				40	100	1	22	MCCB	W8.0
20	EXECUTIVE SUITE 3	400/230	7799	33.91				40	100	1	22	MCCB	W8.0
21	EXECUTIVE SUITE 4	400/230	7799		33.91			40	100	1	22	MCCB	W8.0
22	EXECUTIVE SUITE 5	400/230	7799		33.91			40	100	1	22	MCCB	W8.0
23	EXECUTIVE SUITE 6	400/230	7799			33.91		40	100	1	22	MCCB	W8.0
24	PRESIDENTIAL SUITE	400/230	9511			45.70		50	100	1	22	MCCB	W8.0
				189.14	189.14	214.62							

IL = 214.62 X 80% D.F = 171.70 AMPS
USE : Y100
MAIN : 200AT, 225AF, 400V, 3P, 22KAIC MCCB

PANEL: "12DP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: HOTEL BUSWAY-HZ
LOCATION : 12TH FLOOR EE RROM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	12DP1	400		189.14	189.14	214.62		200	225	3	35	MCCB	Y100
2	12LP	400		17.40	16.51	16.32		40	100	3	35	MCCB	Y8.0
				206.54	205.65	230.94							

IL = (230.94 X 70% D.F) + (25% X 0.82) = 161.86 AMPS
USE : Y125
MAIN : 225AT, 250AF, 400V, 3P, 35KAIC MCCB

HOTEL BUSWAY-LZ (3F-8F)
FED FROM: LVSG-2

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	3DP	400		505.16	476.85	479.02		500	600	3	65	MCCB	2Y125
2	5DP	400		254.68	259.16	240.68	19.40	225	250	3	65	MCCB	Y125
3	6DP	400		237.70	239.22	240.86		225	250	3	65	MCCB	Y125
4	7DP	400		237.70	239.22	240.86		225	250	3	65	MCCB	Y125
5	8DP	400		237.70	239.22	240.86		225	250	3	65	MCCB	Y125
				1472.92	1453.66	1442.27	19.40						

IL = (1472.92 + 19.40) X 60% D.F. = 895.39 AMPS
USE : 1200AMPS, 400V, 3ø, 4W+G, 60HZ ALUMINUM BUSWAY WITH 50% INTEGRAL GROUND BUS
MAIN : 1200AT, 1200AF, 400V, 3P, 65KAIC MCCB

HOTEL BUSWAY-HZ (9F-12F)
FED FROM: LVSG-1

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	9DP	400		237.70	239.22	240.86		225	250	3	65	MCCB	Y125
2	10DP	400		226.76	225.87	225.68		225	250	3	65	MCCB	Y125
3	11DP	400		226.76	225.87	225.68		225	250	3	65	MCCB	Y125
4	12DP	400		206.54	205.65	230.94		225	250	3	65	MCCB	Y125
5	MRDPE REDUNDANT	400		(13.04)	(13.04)	(6.52)	(165.10)	300	400	3	65	MCCB	SEE POWER RISER DIAGRAM
				897.76	896.61	923.16							

IL = (923.16 + 165.10) X 70% D.F. = 761.78 AMPS
USE : 1200AMPS, 400V, 3ø, 4W+G, 60HZ ALUMINUM BUSWAY WITH 50% INTEGRAL GROUND BUS
MAIN : 1200AT, 1200AF, 400V, 3P, 65KAIC MCCB

PANEL: "PPSVR1" (PROVISION ONLY) MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: DPUPS-OUT
LOCATION : 2ND FLOOR/SERVER ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	SERVER RACK	400/230	3000	8.00				30	100	1	18	MCCB	W5.5
2	SERVER RACK	400/230	3000	8.00				30	100	1	18	MCCB	W5.5
3	SERVER RACK	400/230	3000		8.00			30	100	1	18	MCCB	W5.5
4	SERVER RACK	400/230	3000		8.00			30	100	1	18	MCCB	W5.5
5	SERVER RACK	400/230	3000			8.00		30	100	1	18	MCCB	W5.5
6	SERVER RACK	400/230	3000			8.00		30	100	1	18	MCCB	W5.5
				16.00	16.00	16.00							

IL = 16.00 AMPS
USE : Y14
MAIN : 50AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "PPSVR2" (PROVISION ONLY) MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: DPUPS-OUT
LOCATION : 2ND FLOOR/SERVER ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	SERVER RACK	400/230	3000	8.00				30	100	1	18	MCCB	W5.5
2	SERVER RACK	400/230	3000	8.00				30	100	1	18	MCCB	W5.5
3	SERVER RACK	400/230	3000		8.00			30	100	1	18	MCCB	W5.5
4	SERVER RACK	400/230	3000		8.00			30	100	1	18	MCCB	W5.5
5	SERVER RACK	400/230	3000			8.00		30	100	1	18	MCCB	W5.5
6	SERVER RACK	400/230	3000			8.00		30	100	1	18	MCCB	W5.5
				16.00	16.00	16.00							

IL = 16.00 AMPS
USE : Y14
MAIN : 50AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: DPUPS-OUT MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: SEE RISER DIAGRAM
LOCATION : 2ND FLOOR/SERVER ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	PPSVR1	400		16.00	16.00	16.00		50	100	3	18	MCCB	Y14
2	PPSVR2	400		(16.00)	(16.00)	(16.00)		50	100	3	18	MCCB	Y14
3	10kA TVSS	400						30	100	3	18	MCCB	BY TVSS SUPPLIER
				16.00	16.00	16.00							

IL = 16.00 AMPS
USE : Y14
MAIN : 2-50AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "B1LPE" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: GLPE
LOCATION :

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	2-2HP, TJF-B1,B2	400/230	1978				8.60	20	100	3	18	MCCB	Z3.5
2	2-2HP, TJF-B3,B4	400/230	1978				8.60	20	100	3	18	MCCB	Z3.5
3	PROV. FOR DDC	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
4	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
5	PROV. FOR ACCELEROGRAPH	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
6	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
				4.35	4.35		17.20						

IL = (4.35 + 17.20) + (25% X 4.30) = 22.63 AMPS
USE : Y8.0
MAIN : 40AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "GLPE" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MDPE
LOCATION :

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	PANEL "B1LPE"	400		4.35	4.35		17.20	40	100	3	18	MCCB	Y8.0
2	SPARE	400					–	30	100	3	18	MCCB	25mmøC
3	POWER PROV. FOR GENSET BATTERY CHARGER	400/230	360	1.57				20	100	1	18	MCCB	W3.5
4	POWER PROV. FOR BMS CONTROLLER	400/230	1500	6.52				20	100	1	18	MCCB	W3.5
5	POWER PROVISION FOR RNAC	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
6	POWER PROV. FOR FPJP AND RNAC CABINET	400/230	1500		6.52			20	100	1	18	MCCB	W3.5
7	POWER PROV. FOR CCTV	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
8	POWER PROV. FOR SEISMIC RECORD	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
9	POWER PROV. FOR TRAFFIC BARRIER	400/230	1500	6.52				20	100	1	18	MCCB	W3.5
10	POWER PROV. FOR PANIC ALARM	400/230	1500	6.52				20	100	1	18	MCCB	W3.5
11	POWER PROV. FOR ELEVATOR INTERCOM	400/230	1500		6.52			20	100	1	18	MCCB	W3.5
12	POWER PROV. FOR ACCESS CONTROL PANEL	400/230	1500		6.52			20	100	1	18	MCCB	W3.5
13	POWER PROV. FOR PA/BGM	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
14	POWER PROV. FOR FDAS	400/230	1500			6.52		20	100	1	18	MCCB	W3.5
15	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
16	SPARE	400/230	–	–				20	100	1	18	MCCB	15mmøC
17	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
18	SPARE	400/230	–		–			20	100	1	18	MCCB	15mmøC
19	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
20	SPARE	400/230	–			–		20	100	1	18	MCCB	15mmøC
				25.48	28.26	26.08	17.20						

IL = (28.26 + 17.20) + (25% X 4.30) = 46.54 AMPS
USE : Y14
MAIN : 70AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "3LPE" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MDPE
LOCATION : 3RD FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	5F POWER PROV. FOR RNAC	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
2	8F POWER PROV. FOR RNAC	400/230	1000	4.35				20	100	1	10	MCCB	W3.5
3	11F POWER PROVISION FOR RNAC	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
4	8F POWER PROV. FOR ACCELEROMETER	400/230	1000		4.35			20	100	1	10	MCCB	W3.5
5	12F POWER PROV. FOR ACCELEROMETER	400/230	1000			4.35		20	100	1	10	MCCB	W3.5
6	SPARE	400/230	–			–		20	100	1	10	MCCB	15mmøC
				8.70	8.70	4.35							

IL = 8.70 AMPS
USE : Y8.0
MAIN : 40AT, 100AF, 400V, 3P, 10KAIC MCCB

PANEL: "RLE" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MRDPE
LOCATION : MACHINE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	ELEVATOR CONTROL PANEL FOR GUEST LIFT	400/230	1500	6.52				20	100	1	10	MCCB	W3.5
2	ELEVATOR CONTROL PANEL FOR GUEST LIFT	400/230	1500	6.52				20	100	1	10	MCCB	W3.5
3	ELEVATOR CONTROL PANEL FOR GUEST LIFT	400/230	1500		6.52			20	100	1	10	MCCB	W3.5
4	ELEVATOR CONTROL PANEL FOR SERVICE LIFT	400/230	1500		6.52			20	100	1	10	MCCB	W3.5
5	ELEVATOR CONTROL PANEL FOR SERVICE LIFT	400/230	1500			6.52		20	100	1	10	MCCB	W3.5
6	SPARE	400/230	–			–		20	100	1	10	MCCB	15mmøC
				13.04	13.04	6.52							

IL = 13.04 AMPS
USE : Y8.0
MAIN : 40AT, 100AF, 400V, 3P, 10KAIC MCCB

PANEL: "MRDPE" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MTS-MRDPE (NO:HOTEL BUSWAY-HZ, NC:MDPE)
LOCATION : ROOF DECK

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-20HP(15kW), PF-1	400	23555				34.00	100	125	3	35	MCCB	Z14 (FIRE RATED CABLE)
2	1-20HP(15kW), PF-2	400	23555				34.00	100	125	3	35	MCCB	Z14 (FIRE RATED CABLE)
3	1-20HP, S. ELEVATOR/FIREMANS LIFT	400	23555				34.00	100	125	3	35	MCCB	BY ELEVATOR CONTRACTOR (FIRE RATED CABLE)
4	1-20HP, S. ELEVATOR	400	23555				34.00	100	125	3	35	MCCB	BY ELEVATOR CONTRACTOR
5	PANEL "RLE"	400		13.04	13.04	6.52		40	100	3	35	MCCB	Y8.0
6	SPARE	400	–				–	30	100	3	35	MCCB	25mmøC
7	1-5HP(4kW), EPF-1	400	6720				9.70	30	100	3	35	MCCB	Z3.5
8	1-5HP(5kW), SMEF-1	400	6720				9.70	30	100	3	35	MCCB	FIRE RATED CABLE (Z3.5)
9	1-5HP(5kW), SFAF-1	400	6720				9.70	30	100	3	35	MCCB	Z3.5
10	SPARE	400	–				–	30	100	3	35	MCCB	25mmøC
				13.04	13.04	6.52	165.10						

IL = (13.04 + 165.10) + (25% X 34.00) = 186.64 AMPS
USE : 3-125mm²(L) + 1-22mm²(N) + 1-22mm²(G) IN 80mmøC (FIRE RATED CABLE)
MAIN : 300AT, 400AF, 400V, 3P, 35KAIC MCCB

PANEL: "MDPE" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MTS-2 (NO:LVSG-1, NC:LVSG-2)
LOCATION : POWER CENTER ROOM AT 2ND FLOOR

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	MRDPE	400		13.04	13.04	6.52	165.10	300	400	3	35	MCCB	SEE MRDPE
2	GLPE	400		25.48	28.26	26.08		70	100	3	35	MCCB	Y14
3	3LPE	400		8.70	8.70	4.35		40	100	3	35	MCCB	Y8.0
4	SPARE	400					–	70	100	3	35	MCCB	32mmøC
				47.22	50.00	36.95	165.10						

IL = (50.00 + 165.10) X 80%DF + (25% X 34.00) = 180.58 AMPS
USE : Y200
MAIN : 350AT, 400AF, 400V, 3P, 35KAIC MCCB

PANEL: "MRL" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MRDP
LOCATION : MACHINE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-3.3kW(5HP), ACCU-RD.1	400/230	3882	16.88				30	100	1	18	MCCB	W5.5
2	1-3.3kW(5HP), ACCU-RD.2	400/230	3882	16.88				30	100	1	18	MCCB	W5.5
3	1-3.3kW(5HP), ACCU-RD.3	400/230	3882		16.88			30	100	1	18	MCCB	W5.5
4	1-3.3kW(5HP), ACCU-RD.4	400/230	3882		16.88			30	100	1	18	MCCB	W5.5
5	2-1HP-RP-HZ	400/230	3680			16.00		30	100	1	18	MCCB	W5.5
6	POWER PROV. FOR FACADE LIGHTS	400/230	1000			4.35		20	100	1	18	RCBO	W3.5
7	POWER PROV. FOR FACADE LIGHTS	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
8	POWER PROV. FOR FACADE LIGHTS	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
9	SHAFT LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
10	SHAFT LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
11	SHAFT LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
12	SHAFT LIGHTS	400/230	1000			4.35		20	100	1	18	MCCB	W3.5
13	SHAFT LIGHTS	400/230	1000	4.35				20	100	1	18	MCCB	W3.5
14	RD LIGHTS	400/230	1500	4.35				20	100	1	18	MCCB	W3.5
15	RD LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
16	RD LIGHTS	400/230	1000		4.35			20	100	1	18	MCCB	W3.5
17	1-0.5HP, EF-RD.1	400/230	1127			4.90		20	100	1	18	MCCB	W3.5
18	BMS - DOAS 1 SPARE	400/230	1000			–		20	100	1	18	MCCB	15mmøC
19	POWER PROV. FOR FACADE LIGHTS	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
20	POWER PROV. FOR FACADE LIGHTS	400/230	1000	4.35				20	100	1	18	RCBO	W3.5
21	BMS - DOAS 2 SPARE	400/230	1000		–			20	100	1	18	MCCB	15mmøC
22	BMS - DPUMP SPARE	400/230	1000		–			20	100	1	18	MCCB	15mmøC
23	7-CONVENIENCE OUTLETS	400/230	1260			5.48		20	100	1	18	MCCB	W3.5
24	1-0.5HP, EF-RD.2	400/230	1127			4.90		20	100	1	18	MCCB	W3.5
				59.86	51.16	44.33							

IL = 59.86 + (25% X 16.88) = 64.08 AMPS
USE : Y22
MAIN : 100AT, 100AF, 400V, 3P, 18KAIC MCCB

PANEL: "MRDP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MDP
LOCATION : MACHINE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	3-50HP, HP-HZ & 3-35kW HE (2-DUTY,1-STANDBY)	400					267.04	400	400	3	35	MCCB	Y200
2	SPARE	400					–	100	125	3	35	MCCB	40mmøC
3	1-20HP, P. ELEVATOR	400	23555				34.00	100	125	3	35	MCCB	BY ELEVATOR CONTRACTOR
4	1-20HP, P. ELEVATOR	400	23555				34.00	100	125	3	35	MCCB	BY ELEVATOR CONTRACTOR
5	1-20HP, P. ELEVATOR	400	23555				34.00	100	125	3	35	MCCB	BY ELEVATOR CONTRACTOR
6	PANEL "MRL"	400	18706	59.86	51.16	44.33		100	125	3	35	MCCB	Y22
7	1-15HP(6.0kW-SF + 4.0kW-EF) DOAS-RD.1	400	18706				27.00	70	100	3	35	MCCB	Z8.0
8	1-15HP(6.0kW-SF + 5.0kW-EF) DOAS-RD.2	400	18706				27.00	70	100	3	35	MCCB	Z8.0
9	3-5HP, BP-HZ (SIMULTANEOUSLY)	400	12470				29.10	50	100	3	35	MCCB	Z5.5
10	BMU POWER PROVISION	400	9699				14.00	30	100	3	35	MCCB	Z3.5
11	BMU POWER PROVISION	400	9699				14.00	30	100	3	35	MCCB	Z3.5
12	1-2HP, EF-1	400	4226				4.30	20	100	3	35	MCCB	Z3.5
				59.86	51.16	44.33	484.44						

IL = (59.86 + 484.44) X 90%DF + (25% X 83.00) = 510.62 AMPS
USE : 2 SETS OF [3-250mm² THHN/THWN (L) + 1-50mm² THHN/THWN (N) + 1-50mm² THHN/THWN (G) IN 90mmøC]
MAIN : 700AT, 800AF, 400V, 3P, 35KAIC MCCB

PANEL: "PPCAS" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: DPCAS
LOCATION : 2ND FLOOR CASINO EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-25HP(10kW-SF + 7.5kW-EF) DOAS-2M	400	30483				44.00	125	150	3	35	MCCB	Z14
2	1-15HP, AHU-2M.1	400	18706				27.00	70	150	3	35	MCCB	Z8.0
3	1-15HP, AHU-2M.2	400	18706				27.00	70	100	3	35	MCCB	Z8.0
4	1-15HP, RETAIL ELEV. 1	400	18706				27.00	70	100	3	35	MCCB	Z8.0
5	1-15HP, RETAIL ELEV. 2	400	18706				27.00	70	100	3	35	MCCB	Z8.0
6	1-15HP, ESCALATOR	400	18706				27.00	70	100	3	35	MCCB	Z8.0
7	1-15HP, ESCALATOR	400	18706				27.00	70	100	3	35	MCCB	Z8.0
8	1-3HP, AHU-1.3	400	18706				6.10	20	100	3	35	MCCB	Z3.5
9	PROVISION FOR RETAIL ELEV. SUMP PUMP	400	1127	4.90				20	100	1	35	MCCB	W3.5
10	250W-FCU(C.1-C.5) + 400W-FAI-C.1	400	650	2.83				20	100	1	35	MCCB	W3.5
11	PROVISION FOR RETAIL ELEV. SUMP PUMP	400/230	1127		4.90			20	100	1	35	MCCB	W3.5
12	402W-FCU(BC.1-BC.3)	400/230	402		1.75			20	100	1	35	MCCB	W3.5
13	1-0.75HP, TEF-2.1	400/230	1587			6.90		20	100	1	35	MCCB	W3.5
14	260W-FCU(C.01 & CL.01)	400/230	260			1.13		20	100	1	35	MCCB	W3.5
15	SPARE	400/230	–	–				20	100	1	35	MCCB	15mmøC
16	SPARE	400/230	–	–				20	100	1	35	MCCB	15mmøC
17	SPARE	400/230	–		–			20	100	1	35	MCCB	15mmøC
18	SPARE	400/230	–		–			20	100	1	35	MCCB	15mmøC
19	SPARE	400/230	–			–		20	100	1	35	MCCB	15mmøC
20	SPARE	400/230	–			–		20	100	1	35	MCCB	15mmøC
			166575	7.73	6.65	8.03	212.10						

IL = (212.10 + 8.03) + (25% X 27.00) = 226.88 AMPS
USE : 3-150mm² THHN/THWN (L) + 1-30mm²THHN/THWN(N) + 1-22mm²THHN/THWN(G) IN 80mmøC
MAIN: 300AT, 400AF, 400V, 3P, 35KAIC MCCB

PANEL: "DPCAS (CASINO DISTRIBUTION PANEL)" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: LVSG-1
LOCATION : 2ND FLOOR CASINO EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	PROV. FOR LIGHTING AND SLOT MACHINE (BY CASINO)	400	300330				414.30	500	600	3	35	MCCB	2Y150
2	PPCAS	400	166575	7.73	6.65	8.03	212.10	300	400	3	35	MCCB	SEE RISER DIAGRAM
				7.73	6.65	8.03	626.40						

IL = (626.40 + 8.03) X 80% + (25% X 27.00)= 514.29 AMPS
USE : 3 SETS OF [4-150mm² THHN/THWN(L/N) + 1-50mm²THHN/THWN(G) IN 80mmøC]
MAIN: 800AT, 800AF, 400V, 3P, 35KAIC MCCB

PANEL: "MCC1" TYPICAL TO "MCC2", "MCC3" (BY MECHANICAL) MOUNTING : NEMA 3R, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: LVSG-2(MCC1, MCC2), MTS-MCC3(NO:LVSG-1, NC:LVSG-2)
LOCATION : MCC CONTROL PANEL

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	1-350HP(244.6kW), PWC-1	400	387979				560.00	1200	1200	3	65	MCCB	BY OTHERS
2	1-40HP(29.8kW), COWP-1	400	45726				66.00	175	225	3	65	MCCB	BY OTHERS
3	1-40HP(29.8kW), PCHWP-1	400	45726				66.00	175	225	3	65	MCCB	BY OTHERS
4	2-15HP(11.5KW), CT-1	400	2355				54.00	100	125	3	65	MCCB	BY OTHERS
							746.00						

IL = 746.00 + (25% X 560.00) = 886.00 AMPS
USE : 4Z250
MAIN : 1600AT, 1600AF, 400V, 3P, 65KAIC MCCB

POWER PANEL: "EVPP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MDP
LOCATION : BASEMENT 1 EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	PROVISION FOR EV CHARGER(22kW)	400/230	22000				31.76	50	100	3	22	MCCB	Y8.0
2	PROVISION FOR EV CHARGER(22kW)	400/230	22000				31.76	50	100	3	22	MCCB	Y8.0
3	PROVISION FOR EV CHARGER(22kW)	400/230	22000				31.76	50	100	3	22	MCCB	Y8.0
4	PROVISION FOR EV CHARGER(22kW)	400/230	22000				31.76	50	100	3	22	MCCB	Y8.0
			88000				127.04						

IL = 127.04 AMPS
USE : Y80
MAIN : 175AT, 225AF, 400V, 3P, 22KAIC MCCB

PANEL: "MDP" MOUNTING : NEMA 1, SURFACE MOUNTED WITH GRAY POWDERED PAINT FINISH WITH MULTI-TERMINAL BLOCK FOR SOLID GROUND AND NEUTRAL BUS
FED FROM: MTS-1(NO:LVSG-2, NC:LVSG-1)
LOCATION : 2ND FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	2DP	400		281.93	275.27	281.99	607.85	1000	1200	3	65	MCCB	SEE 2DP
2	MRDP	400		59.86	51.16	44.33	484.44	700	800	3	65	MCCB	SEE MRDP
3	DPPUMP	400		9.80	16.00	16.00	375.53	600	600	3	65	MCCB	SEE DPPUMP
4	GDP	400		380.93	370.95	409.80	283.60	600	600	3	65	MCCB	SEE GDP
5	B1DP	400		100.45	101.89	98.06	353.82	500	600	3	65	MCCB	SEE B1DP
6	3PP	400		71.27	73.79	67.95	111.08	175	225	3	65	MCCB	Y80
7	EVPP	400					127.04	175	100	3	65	MCCB	Y80
8	TELCO 1	400					100.00	125	150	3	65	MCCB	Y38
9	TELCO 2	400					100.00	125	150	3	65	MCCB	Y38
10	TELCO 3	400					100.00	125	150	3	65	MCCB	Y38
11	POWER PROV. FOR COMBINER EQUIPMENT	400					100.00	125	150	3	65	MCCB	Y38
12	DPUPS-OUT (REDUNDANT)	400		(16.00)	(16.00)	(16.00)		50	100	3	65	MCCB	Y14
				904.24	889.06	918.13	2743.36						

IL = (918.13 + 2743.36) X 50%D.F. + (25% X 34.00) = 1839.25 AMPS
USE : 6 SETS OF [3-250mm² THHN/THWN (L) + 1-125mm²THHN/THWN(N) + 1-125mm²THHN/THWN(G) IN 100mmøC]
MAIN : 2000AT, 2000AF, 400V, 3P, 65KAIC MCCB

LOW VOLTAGE SWITCHGEAR "LVSG-1", 400VOLTS, 3ø, 4 WIRES WITH 50% GROUND BUS.
IN NEMA 1 FREE STANDING ENCLOSURE WITH GRAY POWDERED COATED PAINT FINISH
LOCATION : LVSG ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	kVA	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	MDP	400		904.24	889.06	918.13	2743.36	2000	2000	3	65	MCCB	SEE POWER RISER DIAGRAM
2	3000AT, 3200AF, 4P, 65KAIC ATS-1: MCC3 REDUNDANT	400					(746.00)	1600	1600	3	65	MCCB	4Z250
3	HOTEL BUSWAY-HZ	400		897.76	896.61	923.16		1200	1200	3	65	MCCB	SEE POWER RISER DIAGRAM
4	MDPE REDUNDANT	400		(47.22)	(50.00)	(36.95)	(165.10)	350	400	3	65	MCCB	SEE POWER RISER DIAGRAM
5	SPARE	400						600	600	3	65	MCCB	65mmøC
6	TIE CB	400						3000	3200	4	65	ACB	3000AMPS BUSWAY
7	8 STEPS OF 50KVAR CAPACITOR BACK	400					(577.35)	800	800	3	65	MCCB	3Z150
8	320kA TVSS	400						30	100	3	65	MCCB	BY TVSS SUPPLIER
				1802.00	1785.66	1841.29	2743.36						

IL = (1802.00 + 2743.36) X 60% D.F. + (25% X 34.00) = 2735.72 AMPS
TRANSFORMER COMPUTATION:
KVA = (2735.72 X 400 X 1.732)/1000 = 1895.30 ÷ 1.44 DIV. FACTOR = 1316.18 kVA
USE : 1500kVA, 3ø, 13.2kV/ 400V, 4W, 60Hz, FR3, LOOP FEED, AL-AL WINDING, PAD-MOUNTED TRANSFORMER WITH MINIMUM EFFICIENCY OF 98% (TRANSFORMER NEUTRAL BUS AND FRAME SHALL BE FACTORY BONDED).
MAIN: 3000AT, 3200AF, 400V, 4P, 65KAIC ACB
USE: 3000AMPS, 400V, 3ø, 4W, ALUMINUM BUSWAY WITH 50% INTEGRAL GROUND BUS

LOW VOLTAGE SWITCHGEAR "LVSG-2", 400VOLTS, 3ø, 4 WIRES WITH 50% GROUND BUS.
IN NEMA 1 FREE STANDING ENCLOSURE WITH GRAY POWDERED COATED PAINT FINISH
LOCATION : LVSG ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	kVA	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	MDP REDUNDANT	400		(904.24)	(889.06)	(918.13)	(2743.36)	2000	2000	3	65	MCCB	SEE POWER RISER DIAGRAM
2	MCC1	400					746.00	1600	1600	3	65	MCCB	4Z250
3	3000AT, 3200AF, 4P, 65KAIC ATS-2: MCC2	400					746.00	1600	1600	3	65	MCCB	4Z250
4	MCC3	400					(746.00)	1600	1600	3	65	MCCB	4Z250
5	HOTEL BUSWAY-LZ	400		1472.92	1453.66	1442.27	19.40	1200	1200	3	65	MCCB	SEE POWER RISER DIAGRAM
6	DPCAS	400		7.73	6.65	8.03	626.40	800	800	3	65	MCCB	SEE POWER RISER DIAGRAM
7	MDPE	400		47.22	50.00	36.95	165.10	350	400	3	65	MCCB	SEE POWER RISER DIAGRAM
8	SPARE	400						600	600	3	65	MCCB	65mmøC
9	1-125HP-FP + 1-5HP-JP & 1-125HP-FP	400					(217.70)	1600	1600	3	65	MCCB	SEE POWER RISER DIAGRAM
10	8 STEPS OF 50KVAR CAPACITOR BACK	400					(577.35)	800	800	3	65	MCCB	3Z150
11	320kA TVSS	400						30	100	3	65	MCCB	BY TVSS SUPPLIER
				1527.87	1510.31	1487.25	2302.90						

IL = (1527.87 + 2302.90) X 60% D.F. + (25% X 560.00) = 2438.46 AMPS
TRANSFORMER COMPUTATION:
KVA = (2438.46 X 400 X 1.732)/1000 = 1689.37 ÷ 1.44 DIV. FACTOR = 1173.17 kVA
USE : 1500kVA, 3ø, 13.2kV/ 400V, 4W, 60Hz, FR3, LOOP FEED, AL-AL WINDING, PAD-MOUNTED TRANSFORMER WITH MINIMUM EFFICIENCY OF 98% (TRANSFORMER NEUTRAL BUS AND FRAME SHALL BE FACTORY BONDED).
MAIN: 3000AT, 3200AF, 400V, 4P, 65KAIC ACB
USE: 3000AMPS, 400V, 3ø, 4W, ALUMINUM BUSWAY WITH 50% INTEGRAL GROUND BUS

"SYNCHRONIZING SWITCHGEAR", 400VOLTS, 3ø, 4 WIRES WITH 50% GROUND BUS.
IN NEMA 1 FREE STANDING ENCLOSURE WITH GRAY POWDERED COATED PAINT FINISH
LOCATION : 2ND FLOOR EE ROOM

CKT. NO.	LOAD DESCRIPTION	VOLT	VOLT AMPERE	AMPERE LOAD øAN	øBN	øCN	øABC	PROTECTION AT	AF	P	KAIC	TYPE	NUMBER & SIZE OF WIRE & CONDUIT
1	ATS-1 (LVSG1)	400		1802.00	1785.66	1841.29	2743.36	3000	3200	3	65	ACB	3000AMPS BUSWAY
2	ATS-2 (LVSG2)	400		1527.87	1510.31	1487.25	2302.90	3000	3200	3	65	ACB	3000AMPS BUSWAY
3	1-125HP-FP + 1-5HP-JP & 1-125HP-FP	400					(217.70)	600	600	3	65	MCCB	SEE POWER RISER DIAGRAM
				3329.87	3295.97	3328.54	5046.26						

GENERATOR COMPUTATION:
KVA = (5046.26 + 3329.87) X 60%DF X 400 X 1.732 / (1000 X 1.44 DIV FACTOR) = 2417.91 kVA
USE : 2-1500kVA, 400V, 3ø, 4W+G, 60HZ STAND-BY GENERATOR SET

MAIN: 2-3000AT, 3200AF, 400V, 4P, 65KAIC ACB
USE : 7 SETS OF 4-250mm² (L+N) CT RATED COPPER CABLE IN 800mm(W) X 150mm(D) LADDER TYPE, OPEN BOTTOM WITHOUT COVER CABLE TRAY WITH 1-250MM² BCW GROUND WIRE (PER GENSET FEEDER)

NOTES FOR BUILDING COMMON AREAS

1. MAIN CIRCUIT BREAKER SHALL BE VERTICALLY MOUNTED ON CENTER TOP OF THE PANELBOARD. BRANCH CIRCUIT BREAKERS SHALL BE BOLT-ON, MOLDED CASE CIRCUIT BREAKER AND INDUSTRIAL TYPE MOLDED CASE FOR MAIN CIRCUIT BREAKER. WIRE JUMPER CONNECTION TO PHASE BUS SHALL NOT BE PERMITTED.
2. LIGHTING PANELBOARD BRANCH CIRCUIT BREAKERS SHALL BE RATED WITH A SLASH VOLTAGE LABEL OF 400/230 VOLTS FOR A SINGLE POLE BREAKER AND SHALL HAVE A MINIMUM OF 10 KILOAMPERES INTERRUPTING CAPACITY UNLESS OTHERWISE SPECIFIED. FOR STRAIGHT LABEL VOLTAGE OF 400 VOLTS, THREE (3) POLE CIRCUIT BREAKERS, MINIMUM INTERRUPTING CAPACITY SHALL BE 10 KILOAMPERES.
3. ALL PANELBOARDS SHALL BE PROVIDED WITH MULTIPLE GROUND TERMINAL BLOCK FOR BRANCH CIRCUIT NEUTRAL AND EQUIPMENT GROUND WIRE. MAIN LUGS, SHALL BE PROVIDED FOR CONNECTION TO BUILDING GROUNDING SYSTEM. LOCALLY FABRICATED MULTIPLE TERMINAL GROUND BLOCK SHALL NOT BE PERMITTED.
4. DISTRIBUTION PANELBOARD FEEDER CIRCUIT BREAKERS SHALL BE INDUSTRIAL TYPE MOLDED CASE CIRCUIT BREAKERS.
5. PANELBOARD SHALL BE MADE WITH MINIMUM GAUGE 16 B.I. METAL SHEET AND POWDER-COATED PAINT WITH ANSI GRAY COLOR FINISH OR AS SPECIFIED.

DESIGN ALLIANCE ARCHITECTURE & PLANNING
~~APPROVED~~
~~DISAPPROVED / RESUBMIT~~
~~WITH COMMENT~~
~~FOR CONSTRUCTION~~
✓ NOTED
PROJECT: TUEC
DATE: ~~APPROVED BY:~~

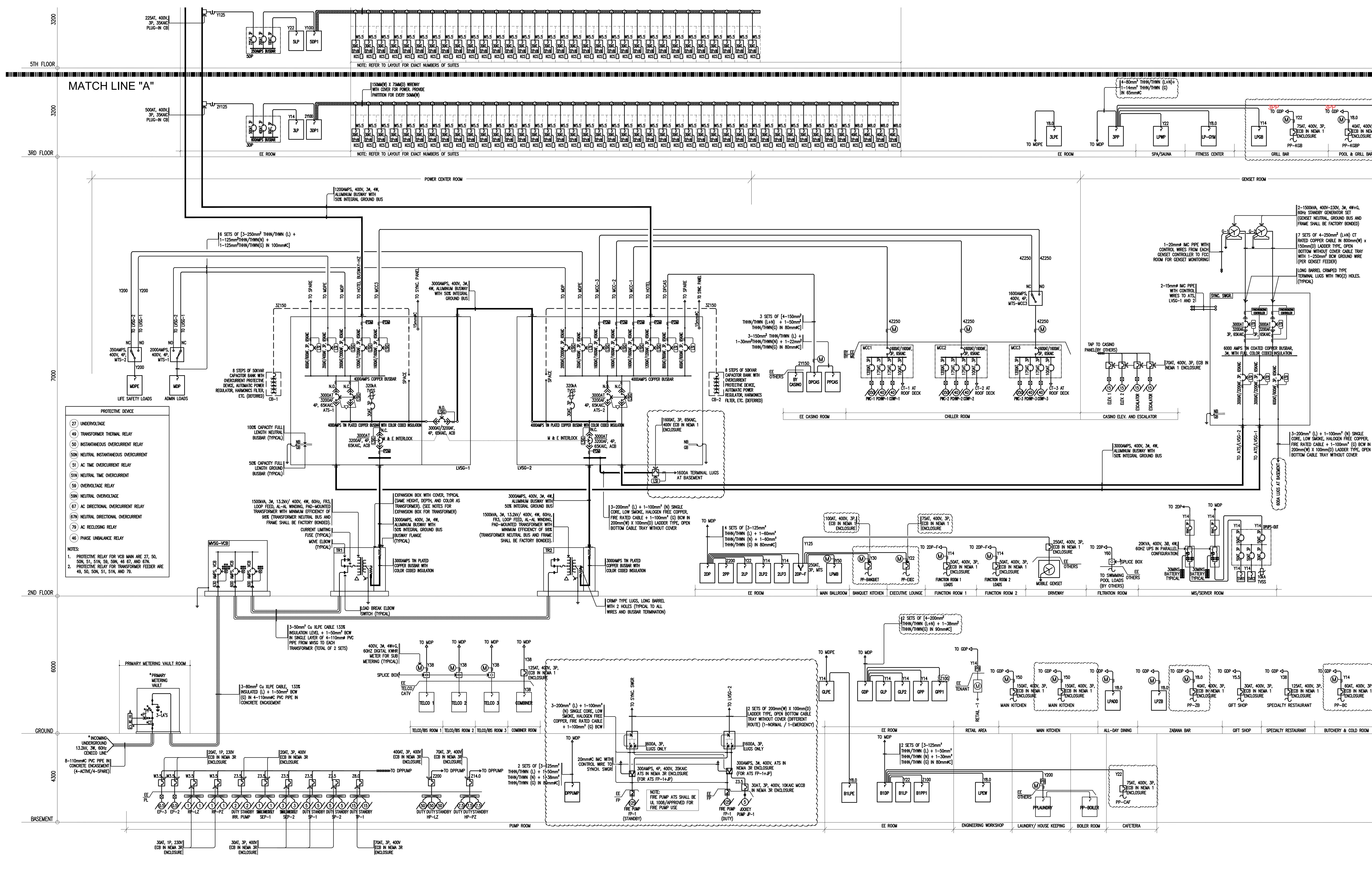
CONSTRUCTION BULLETIN
DATE: 11-05-2025

DESIGN ALLIANCE ARCHITECTURE & PLANNING	HERMELYN A. CULLANO, ARCHITECT REG. NO.: 10589 P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22 ISSUED AT: MAKATI CITY T.I.N.: 159-508-116	ENGINEERING DESIGN CONSULTANT: MARIO A. ALIX PHILIPPINES, INC. MARIO A. ALIX, PROFESSIONAL ELECTRICAL ENGINEER REG. NO.: 1688 P.T.R. NO.: 2097023 DATE ISSUED: 01-08-25 ISSUED AT: MANILA T.I.N.: 117-142-077	PROJECT TITLE: KINGSFORD HOTEL BACOLOD LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE. SECTION 33 : REPUBLIC ACT 9266	OWNER/DEVELOPER: MEGAWORLD CORPORATION

NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	JAN2023
CHECKED BY:	JRO	JAN2023
APPROVED BY:	MAA	JAN2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: LOAD SCHEDULE (PART 3 OF 3)
FILE NAME:
SHEET NUMBER: EE-23



1 POWER RISER DIAGRAM (PART 1 OF 2)

EE-24 SCALE NTS

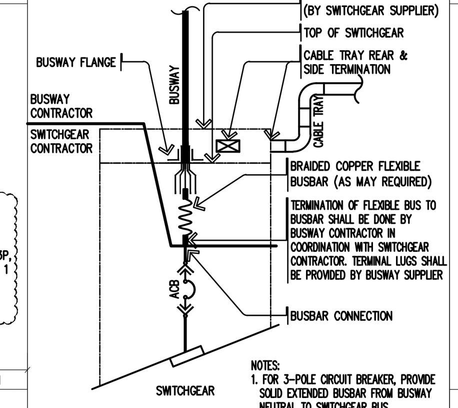
NOTES FOR ENERGY MANAGEMENT SYSTEM

1. THE COMPLETE BUILDING ENERGY MANAGEMENT SYSTEM SHALL BE FURNISHED / INSTALLED BY EMS CONTRACTOR INCLUDING ALL DEVICES, EQUIPMENT, ENERGY METERS, WIRING-INS, ALL DOCUMENTS NECESSARY SUCH AS OPERATION MANUAL, AND TRAINING OF PERSONNEL.
2. ALL ENERGY METERS FOR RETAIL AND OFFICE TENANT SUB-METERING, CHECK METERS AND OTHER METERING REQUIREMENT PART OF BASE BUILD SHALL BE DIGITAL, PROGRAMMABLE, BMS READY AND SHALL HAVE DATA/USB PORT FOR DATA LOGGING.
3. ALL PROGRAMMABLE DIGITAL METERING PART OF MVSG, LVSG AND SYNCHRONIZING SWITCHGEAR SHALL BE INTERFACES TO ENERGY MANAGEMENT SYSTEM.
4. BUILDING ENERGY MANAGEMENT SYSTEM SHALL BE COMPLETE AND FUNCTIONAL. PROVIDE WIRING, DIGITAL DIRECT CONTROLLERS, SERVER AND OTHER DEVICE & EQUIPMENT NECESSARY TO COMPLETE THE SYSTEM.
5. ALL EMS DEVICES AND EQUIPMENT SHALL BE NEW, OF SINGLE APPROVED BRAND, PREFERABLY UNDERWRITER'S LABORATORY "UL" LISTED BRAND OR APPROVED EQUIVALENT.
6. ENERGY MANAGEMENT SYSTEM SHALL BE OPEN PROTOCOL, NON PROPRIETARY TYPE. ALL DEVICES SHALL BE PROGRAMMABLE.
7. PROVIDE SEPARATE WIRING FOR ENERGY MANAGEMENT SYSTEM. ALL METERS SHALL BE LINKED THROUGH DAISY CHAIN WIRING.

NOTES FOR BUSWAY

1. ALL HORIZONTAL BUSWAY SHALL BE IP54 (MIN.) AND IP45 FOR VERTICAL RISER.
2. ALL BUSWAY RISER SHALL BE PROVIDED WITH SEISMIC JOINT FOR EVERY 75 METERS AND AS PER MANUFACTURERS REQUIREMENT.
3. PROVIDE WALL BRACKET TO ALL BUSWAY RISER THAT RUN THROUGH HIGH FLOOR LEVEL.
4. BUSWAY SUPPLIER/CONTRACTOR TO COORDINATE AND COMPLY WITH SWITCHGEAR SUPPLIER FOR PHASE SEQUENCE ARRANGEMENT CONNECTION REQUIREMENT.
5. BUSWAY FLANGE SHALL BE PROPERLY ATTACHED TO SWITCHGEAR OR TRANSFORMER AND SHALL BE MOUNTED ON TOP OF CUBICLE INTENDED FOR BUSWAY. PROVIDE BONDING WIRE.
6. BUSWAY CONNECTION TO SWITCHGEAR SHALL BE SOLID BUSBAR. PROVIDE BRAIDED FLEXIBLE BUS AS REQUIRED.
7. ALL BUSWAY SHOULD BE PROVIDED WITH TAGGING AND LABELING TO EVERY THREE (3) LENGTH OF HORIZONTAL RUN AND EVERY FLOOR OF VERTICAL RISER.
8. BUSWAY SUPPLIER/CONTRACTOR TO CONDUCT ACTUAL SITE MEASUREMENT AND COORDINATE WITH EE AND OTHER CONTRACTORS AND SECURE APPROVED SHOP DRAWING PRIOR TO BUSWAY FABRICATION.
9. PROVIDE APPROVED FIRE SEALANT TO ALL FLOOR AND WALL PENETRATIONS.
10. COORDINATE WITH OTHER TRADE CONTRACTOR TO AVOID CONFLICT ON LAYOUT.
11. COORDINATE WITH ARCHITECT/PROJECT MANAGER FOR THE REQUIRED CLEARANCE HEIGHT OF BUSWAY HORIZONTAL RUN.

DELINEATION OF WORKS FOR BUSWAY AND SWITCHGEAR



NOTES:
1. FOR 3-POLE CIRCUIT BREAKER, PROVIDE SOLID EXTENDED BUSBAR FROM BUSWAY NEUTRAL TO SWITCHGEAR BUS.
2. PROVIDE SUPPLEMENTAL BONDING JUMPER MINIMUM OF 50MM² FROM BUSWAY BODY GROUND TO SWITCHGEAR GROUNDING BUS.

ADDITIONAL NOTES FOR SWITCHGEARS AND PANELBOARD

1. PROVIDE SHORT CIRCUIT CALCULATION, VOLTAGE DROP ANALYSIS, COORDINATION STUDY, AND ARC FLASH HAZARD ANALYSIS AS INDICATED IN THE SPECIFICATION.
2. PROVIDE MIMIC DIAGRAM PERMANENT ATTACHED TO ALL SWITCHGEARS, SWITCHBOARDS, AND MAIN DISTRIBUTION PANELS REFLECTING PROTECTIVE DEVICE, METERING, AND OTHER DEVICES.
3. PROVIDE ARC FLASH LABEL ATTACHED TO ALL SWITCHGEARS, SWITCHBOARDS, PANELBOARDS, AND OTHER ELECTRICAL EQUIPMENT SHOWING BUT NOT LIMITED TO THE FOLLOWING ELECTRICAL CHARACTERISTIC;
   a. SYSTEM VOLTAGE
   b. ARC FLASH INCIDENT ENERGY
   c. RESTRICTED APPROACH BOUNDARY
   d. LIMITED APPROACH BOUNDARY
   e. ARC FLASH BOUNDARY
   f. TYPE OF PPE LEVEL
   g. OTHERS.
4. SIZING OF COPPER BUSBAR SHALL BE BASED ON 1000A PER SQUARE INCH AS INDICATED ON THE SPECIFICATION.

DESIGN ALLIANCE ARCHITECTURE & PLANNING
~~APPROVED~~
~~DISAPPROVED / RESUBMIT~~
~~WITH COMMENT~~
~~FOR CONSTRUCTION~~
✓ NOTED
PROJECT: TUEC
DATE: ~~APPROVED BY:~~

CONSTRUCTION BULLETIN
DATE: 11-05-2025

DESIGN ALLIANCE ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
MARIO A. ALIX
PROFESSIONAL ELECTRICAL ENGINEER
REG. NO.: 1688
P.T.R. NO.: 2097023 DATE ISSUED: 01-08-25
ISSUED AT: MANILA T.I.N.: 117-142-077

PROJECT TITLE: KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE. SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER: MEGAWORLD CORPORATION

NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	JAN2023
CHECKED BY:	JRO	JAN2023
APPROVED BY:	MAA	JAN2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: POWER RISER DIAGRAM (PART 1 OF 2)
FILE NAME:
SHEET NUMBER: EE-24

1 GENERAL NOTES
ECE-01 SCALE NTS

ALL ELECTRONIC WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE AND ORDINANCES OF THE LOCAL CODE ENFORCING AUTHORITIES WITH THE REQUIREMENTS OF THE LOCAL EXCHANGE CARRIER (LEC) OR SERVICE PROVIDER AND SHALL COMPLY WITH THE IMPLEMENTING RULES AND REGULATION OF REPUBLIC ACT 9292 (I.R.R. 9292) REFFERED TO AS THE NEW ECE LAW OR ELECTRONICS LAW OF 2004.

1. ENGINEER IN CHARGE SUPERVISING THE WORK SHALL BE A DULY REGISTERED ELECTRONICS ENGINEER UNDER DIRECT SUPERVISION OF A PROFESSIONAL ELECTRONICS ENGINEER AS REQUIRED BY RA. 9292 AND REVISED IRR OF THE NATIONAL BUILDING CODE.
2. ALL EQUIPMENTS, COMPONENTS, WIRING AND INSTALLATION OF ALL ITEMS DESCRIBED OR IMPLIED IN THE PLANS SHALL BE NEW, (UL) UNDERWRITERS LABORATORY LISTED AND APPROVED FOR USE.
3. THE INSTALLATION OF EACH SYSTEM COMPONENT , ASSOCCIATED EQUIPMENT AND WIRING SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION AND INSTRUCTION .
4. THE CONTRACTOR/CERTIFIED INSTALLER SHALL OBSERVE PROPER INSTALLATION PRACTICES AND ADHERE TO CABLE MANUFACTURERS REQUIREMENT FOR BENDING RADIUS, PULLING TENSION, CABLE SLACK, CABLE FILL, ETC. .
5. ALL VOICE, DATA, VIDEO, AND OTHER ELECTRONICS RELATED CABLES SHALL BE WITHIN OR CONCEALED IN A CONDUIT, WIREWAY, PATHWAY, RISERWAY AND OTHER CABLE DELIVERY SYSTEM.
6. ALL METALLIC CONDUIT, CABINET, BOXES AND EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED.
7. WHENEVER NECESSARY PULLBOX OF PROPER SIZE AND DIMENSION SHALL BE PROVIDED ALTHOUGH NOT INDICATED IN THE PLAN. ALL BOXES SHALL BE PROVIDED WITH COVER.
8. ALL CONDUIT SLEEVES, FLOOR PIPE CHASE AND WALL SLOT PENETRATION THROUGH EQUIPMENT ROOM AND TELECOMS ROOM SHALL BE PROPERLY SEALED-OFF WITH FIRESTOP MATERIAL TO MAINTAIN FIRE RESISTIVE RATING OF THE OPENING.
9. THE CONTRACTOR/INSTALLER SHALL FULLY COORDINATE THE DESIGN , EQUIPMENT ,DEVICES ,WIRING, CONNECTION OF ALL ELECTRONIC SYSTEMS WITH THE PROJECT MANAGER THROUGHOUT EACH DEVELOPMENTAL PHASE OR STAGE OF THE PROJECT.
10. THE CONTRACTOR/INSTALLER SHOULD REFER TO ARCHITECTURAL OR INTERIOR DESIGN DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHT OF ALL VISIBLE WIRING DEVICES ,EQUIPMENT AND FIXTURES.
11. THE ELECTRONICS CONTRACTOR SHALL PROVIDE SHOP DRAWING IN ANY CHANGES IN THE DESIGN SUCH AS MOUNTING HEIGHT OR LOCATION OF THE DEVICE/EQUIPMENT FOR THE APPROVAL OF ARCHITECT OR ENGINEER.
12. ANY DISCREPANCIES BETWEEN PLANS AND SPECIFICATION, CONFLICT WITH OTHER TRADE OR SITE CONDITION SHALL BE REFERRED TO ENGINEER AND/OR ARCHITECT.
13. THE CONTRACTOR/CERTIFIED INSTALLER SHALL BE RESPONSIBLE TO CONDUCT ALL ACCEPTANCE TESTING WITH THE APPROVED AND CALIBRATED TESTING EQUIPMENT IN THE PRESENCE OF THE AUTHORIZED CUSTOMER REPRESENTATIVE AND PROJECT MANAGER.
14. THE INSTALLATION, WORKMANSHIP,TESTING , DOCUMENTATION AND ADMINISTRATION MUST BE OF THE HIGHEST QUALITY.
15. THE ELECTRONICS CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND ALL FEES REQUIRED FOR THE WORK AND SHALL FURNISH THE OWNER THROUGH THE ENGINEERS FINAL CERTIFICATES OF ELECTRONICS INSPECTION AND APPROVAL FROM PROPER GOVERNMENT AUTHORITIES FOR COMPLETED WORK.

REFER TO SPECIFICATIONS FOR IMPORTANT NOTES ASSOCIATED WITH THE ELECTRONICS AND COMMUNICATION SYSTEMS OF THE BUILDING

2 DRAWING INDEX
ECE-01 SCALE NTS

SHEET NO.	SHEET TITLE
ECE-01	GENERAL NOTES, LEGEND, DRAWING INDEX, SITE DEVELOPMENT PLAN, AND VICINITY MAP
ECE-02	BASEMENT 1 PABGM AND FDAS SYSTEM LAYOUT
ECE-03	BASEMENT 1 AUXILIARY LAYOUT
ECE-04	GROUND FLOOR PABGM AND FDAS SYSTEM LAYOUT
ECE-05	GROUND FLOOR AUXILIARY LAYOUT
ECE-06	2ND FLOOR PABGM AND FDAS SYSTEM LAYOUT
ECE-07	2ND FLOOR AUXILIARY LAYOUT
ECE-08	3RD FLOOR PABGM AND FDAS SYSTEM LAYOUT
ECE-09	3RD FLOOR AUXILIARY LAYOUT
ECE-10	5TH FLOOR PABGM AND FDAS SYSTEM LAYOUT
ECE-11	5TH FLOOR AUXILIARY SYSTEM LAYOUT
ECE-12	6TH TO 9TH FLOOR PABGM, FDAS, AND AUXILIARY SYSTEM LAYOUT
ECE-13	10TH TO 11TH FLOOR PABGM, FDAS, AND AUXILIARY SYSTEM LAYOUT
ECE-14	12TH FLOOR PABGM, FDAS, AND AUXILIARY SYSTEM LAYOUT
ECE-15	ROOF DECK PABGM, FDAS AND AUXILIARY SYSTEM LAYOUT
ECE-16	BLOW-UP PLAN
ECE-17	FDAS RISER DIAGRAM
ECE-18	WAP & IPTV SYSTEM RISER DIAGRAM
ECE-19	RETAIL VOICE, DATA, & WAP SYSTEM RISER DIAGRAM POS SYSTEM RISER DIAGRAM
ECE-20	PABX AND LAN SYSTEM RISER DIAGRAM
ECE-21	CCTV SYSTEM RISER DIAGRAM
ECE-22	PANIC ALARM, ELEVATOR INTERCOM, TRAFFIC BARRIER & RAMP SIGNAL, AND ACCESS CONTROL SYSTEM RISER DIAGRAM
ECE-23	PABGM RISER DIAGRAM
ECE-24	MISCELLANEOUS DETAILS

3 NOTES FOR FIRE DETECTION & ALARM
ECE-01 SCALE NTS

1. SMOKE DETECTORS SHALL BE PROVIDED BY CONTRACTOR WHICH WILL INCLUDE WIRING AND CONDUIT FOR ADDITIONAL ADDRESSABLE CONTROL DEVICES IN THE FDAS CONTROL PANEL.
2. ALL ADDRESSABLE SMOKE DETECTORS INDICATED IN THE BUILDING PLAN SHALL BE RELOCATED AS AFFECTED BY ACTUAL SITE CONDITION.
3. THE FDAS CONTRACTOR SHALL BE PROPERLY COORDINATED IN ANY CHANGES IN THE SMOKE DETECTOR LAYOUT AS WELL AS WIRING CONNECTION.
4. USE CABLE INTENDED FOR FIRE ALARM SYSTEM UL/NEC LISTED. (FPL, FPLR, FPLP)

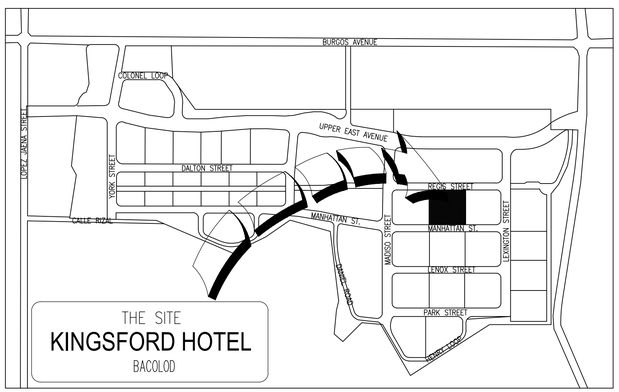
4 NOTES FOR TELEPHONE AND DATA SYSTEM
ECE-01 SCALE NTS

1. ALL STRUCTURED CABLING WORKS SHALL COMPLY WITHANSI/TIA/EIA – COMMERCIAL BUILDING TELECOMMUNICATIONS STANDARD OR ISO/IEC11801 – GENERIC CABLING STANDARDS FOR CUSTOMER PREMISES.
2. WIREWAYS ,PATHWAYS AND CABLE TRUNKING FOR VOICE/DATA AND VIDEO SHALL BE COORDINATED WITH OTHER TRADES TO AVOID ANY CONFLICT OR OBSTRUCTION.
3. THE STRUCTURED CABLING SYSTEM SHALL COMPLY WITH ANSI STD 607-A -COMMERCIAL BUILDING GROUNDING,EARTHING AND BONDING REQUIREMENTS FOR TELECOMMUNICATION.
4. PROPER INSTALLATION PRACTICES FOR CABLE PATHWAYS,CABLE FILL & SLACK,PULLING TENSION WORK AREA TERMINATION,BENDING RADIUS AND OTHER RELATED STANDARD PRACTICES.
5. SYSTEM WARRANTY OF A MINIMUN 20 YEARS SHALL BE ISSSED BY THE CABLING SYSTEM MANUFACTURER UPON SUBMISSION OF CERTIFICATION DOCUMENTS AND TEST RESULTS BY THE CONTRACTOR OR CERTIFIED INSTALLER.

5 LEGENDS & SYMBOLS
ECE-01 SCALE NTS

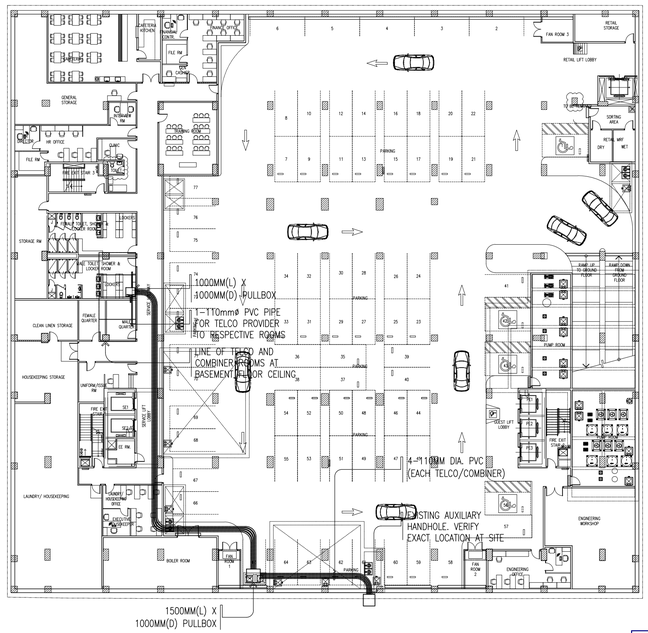
▼	TELEPHONE OUTLET (WALL MOUNTED)
TO	TELEPHONE OUTLET (WALL MOUNTED)
▽	DATA NETWORK (WALL MOUNTED)
DO	DATA OUTLET (CEILING MOUNTED)
SD	ADDRESSABLE SMOKE DETECTOR
SD_D	DUCT-MOUNTED SMOKE DETECTOR
HD	ADDRESSABLE HEAT DETECTOR
$SD_{S/V}$	ADDRESSABLE SMOKE DETECTOR WITH BUILT-IN VISUAL NOTIFICATION AND BASE SOUNDER
SD_H	ADDRESSABLE SMOKE AND HEAT DETECTOR
$SD_{H/G}$	ADDRESSABLE SMOKE, HEAT, AND GAS DETECTOR
S	FIRE ALARM SPEAKER/PA/BGM SPEAKER
SP	CEILING MOUNTED PA/BGM SPEAKER
SP	WALL MOUNTED PA/BGM SPEAKER
F	MANUAL PULL STATION
SL	WALL MOUNTED STROBE LIGHT WITH HORN
▼	FIREMAN'S TELEPHONE JACK
MD	MOTORIZED DAMPER
WFS	WFS DENOTES "WATER FLOW SWITCH"
TS	TS DENOTES "TAMPER SWITCH"
AI	AI DENOTES "ADDRESSABLE INTERFACE"
SB	SB DENOTES "SQUARE BOX"
PABGM	PABGM CONSOLE
NVR	NETWORK VIDEO RECORDER
TBC	TRAFFIC BARRIER CONTROLLER
◊	ANNUNCIATOR
$T.O._{T.O.}$	TELEPHONE OUTLET (T.O.)
RAP	REMOTE ANNUNCIATOR PANEL
TTCPB	TELEPHONE TERMINAL CABINET
FAPB	FIRE ALARM PULLBOX
PAPB	PUBLIC ADDRESS PULLBOX
CCTVPB	CCTV PULLBOX
MFACP	MAIN FIRE ALARM CONTROL PANEL
INTPB	INTERCOM PULLBOX
FDP	FIBER DISTRIBUTION PANEL
CATVPB	CATV PULLBOX
RNAC	REMOTE NOTIFICATION & APPLIANCE CABINET
FPJP	FIRE PHONE JACK PANEL
FPJHC	FIRE PHONE JACK HANDSET CABINET
FDASDR	FDAS DOCUMENT RACK
EVAC	EMERGENCY VOICE ALARM COMMUNICATION
ESP	ELEVATOR SUPERVISORY PANEL
PACP	PANIC ALARM CONTROL PANEL
ACP	ACCESS CONTROL PANEL
GSP	GENERATOR SUPERVISORY PANEL
IDF	INTERMEDIATE DISTRIBUTION FRAME
	DOME TYPE WIDE ANGLE LENS FIXED TYPE CCTV CAMERA (30deg ANGLE/ 15m COVERAGE)
	GUN TYPE IP-CCTV VIDEO SURVEILLANCE CAMERA
	VANDAL PROOF TYPE VARIFOCAL LENS CCTV CAMERA
	PINHOLE TYPE IP-CCTV VIDEO SURVEILLANCE CAMERA
WAP	WIFI ACCESS POINTS
100	PULLBOX WITH IOO

6 VICINITY MAP
ECE-01 SCALE NTS



7 PERSPECTIVE
ECE-01 SCALE NTS

8 SITE DEVELOPMENT PLAN
ECE-01 SCALE NTS



MEGAWORLD ENGINEERING DESIGN DEPARTMENT
REVIEWED
BY: MGREATESTIES DATE: 06NOV2023

FOR CONSTRUCTION
DATE: 10-17-2023

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MAURO A. ALIN PHILIPPINES, INC.
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1673925 DATE ISSUED: 01-04-23
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE: KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER: MEGAWORLD CORPORATION

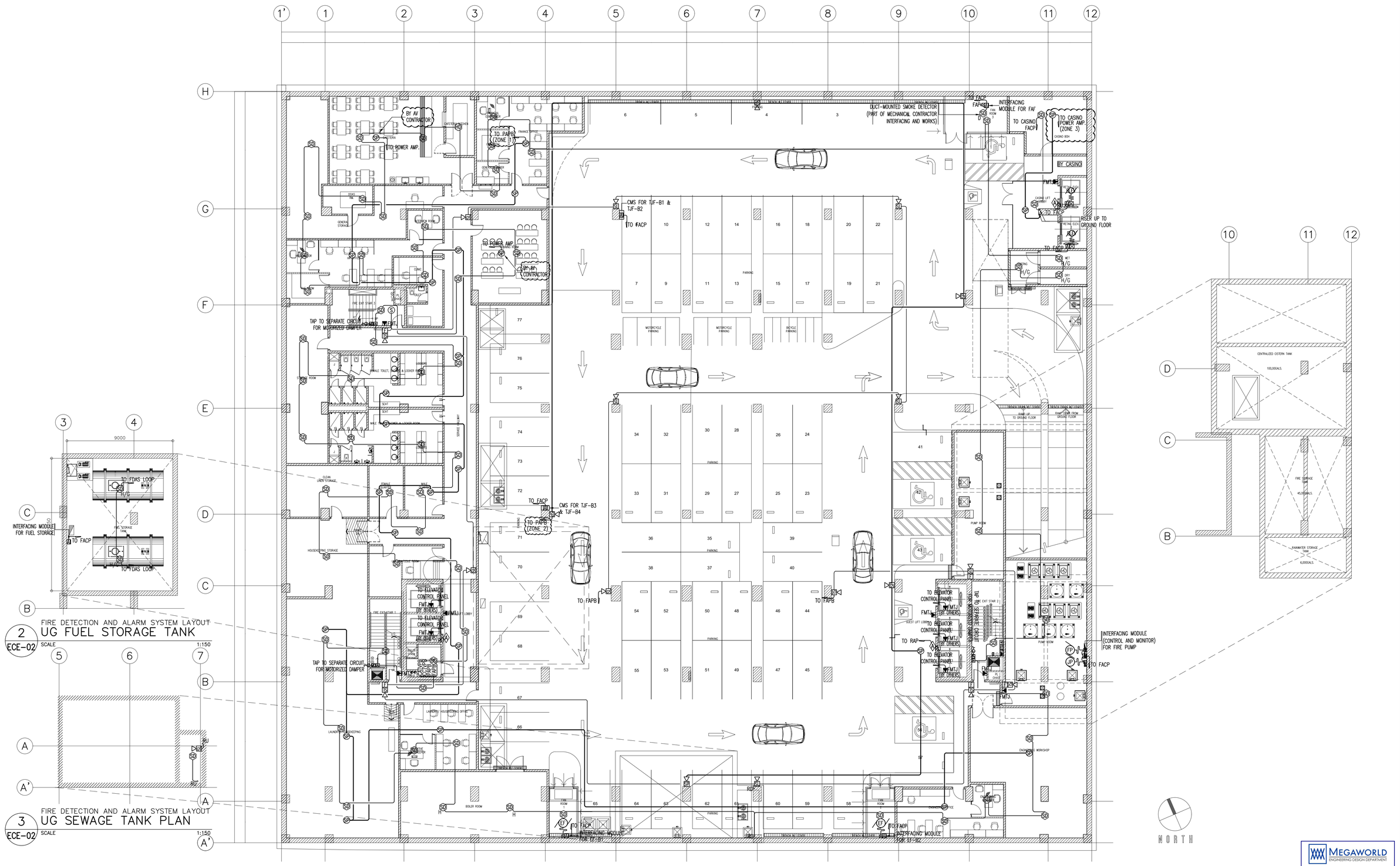
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: GENERAL NOTES, LEGEND, DRAWING INDEX, NOTES FOR FDAS, NOTES FOR TELEPHONE AND DATA SYSTEM, SITE DEVELOPMENT PLAN AND VICINITY MAP

SHEET NUMBER: ECE-01

FILE NAME:



2 ECE-02 FIRE DETECTION AND ALARM SYSTEM LAYOUT
UG FUEL STORAGE TANK
SCALE 1:150

3 ECE-02 FIRE DETECTION AND ALARM SYSTEM LAYOUT
UG SEWAGE TANK PLAN
SCALE 1:150

1 ECE-02 BASEMENT 1 PABGM AND FIRE DETECTION AND ALARM SYSTEM LAYOUT
SCALE 1:150

MEGAWORLD ENGINEERING DESIGN DEPARTMENT
REVIEWED
BY: EMRNACIO DATE: 08/18/2025

CONSTRUCTION BULLETIN
DATE: 08-15-2025

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1810692 DATE ISSUED: 01-03-25
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

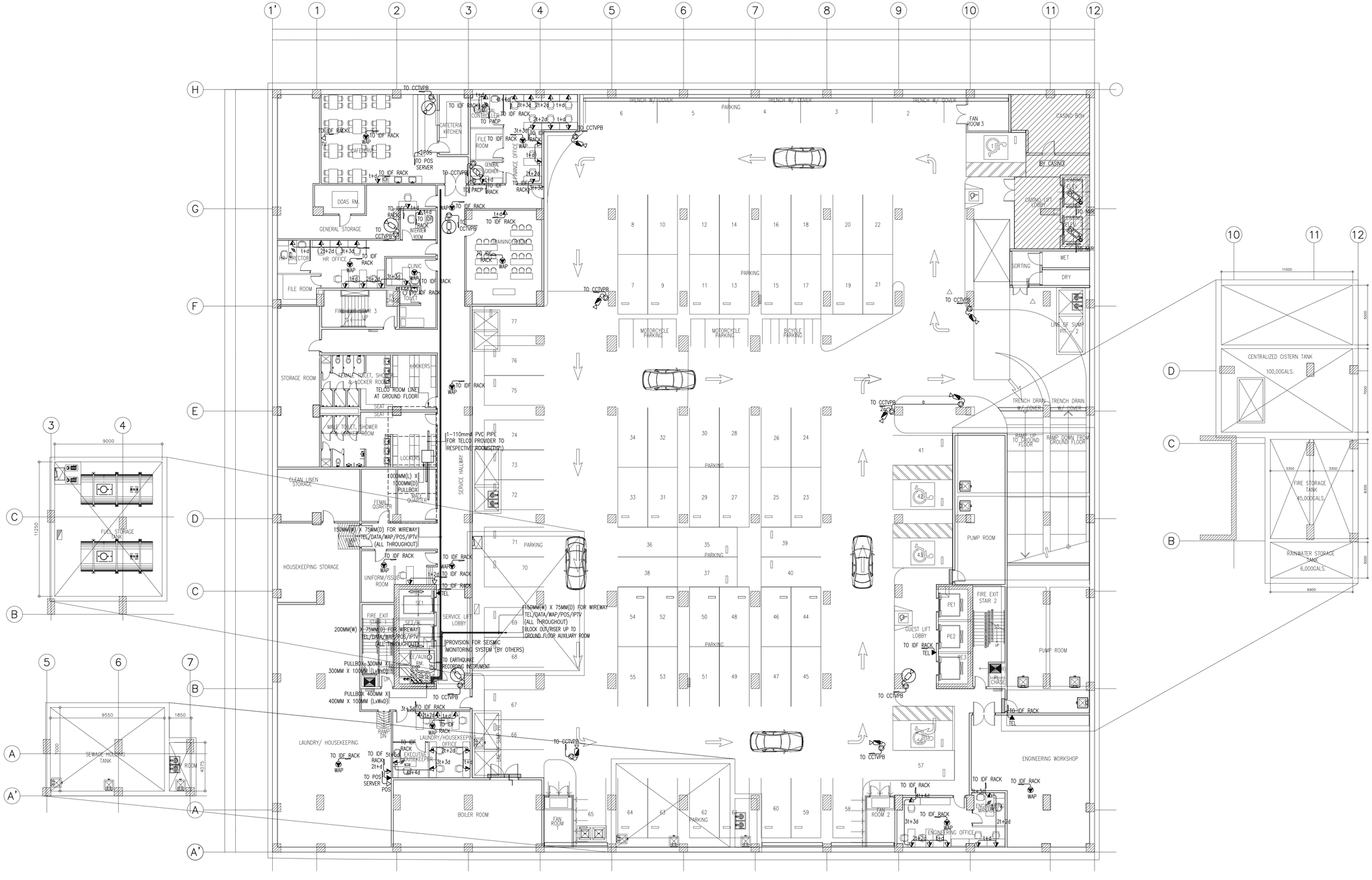
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S:
BASEMENT 1 PABGM & FIRE DETECTION AND ALARM SYSTEM LAYOUT

FILE NAME:

SHEET NUMBER:
ECE-02



1 BASEMENT 1 AUXILIARY SYSTEM LAYOUT

ECE-03 SCALE 1:150

CONSTRUCTION BULLETIN
DATE: 06-21-2024

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1745543 DATE ISSUED: 01-02-24
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE: KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

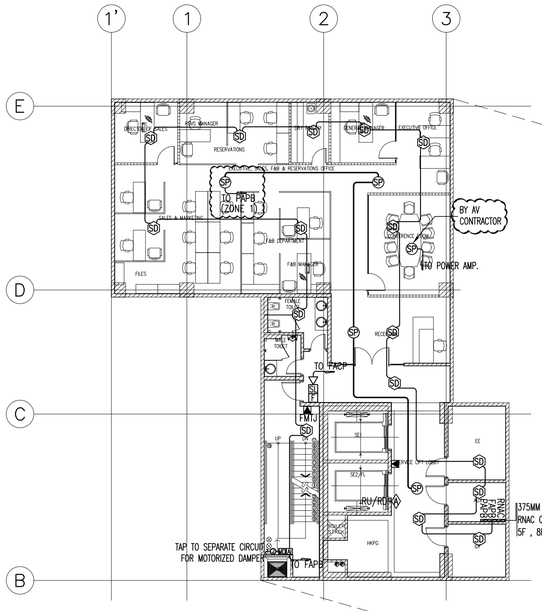
THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER: MEGAWORLD CORPORATION

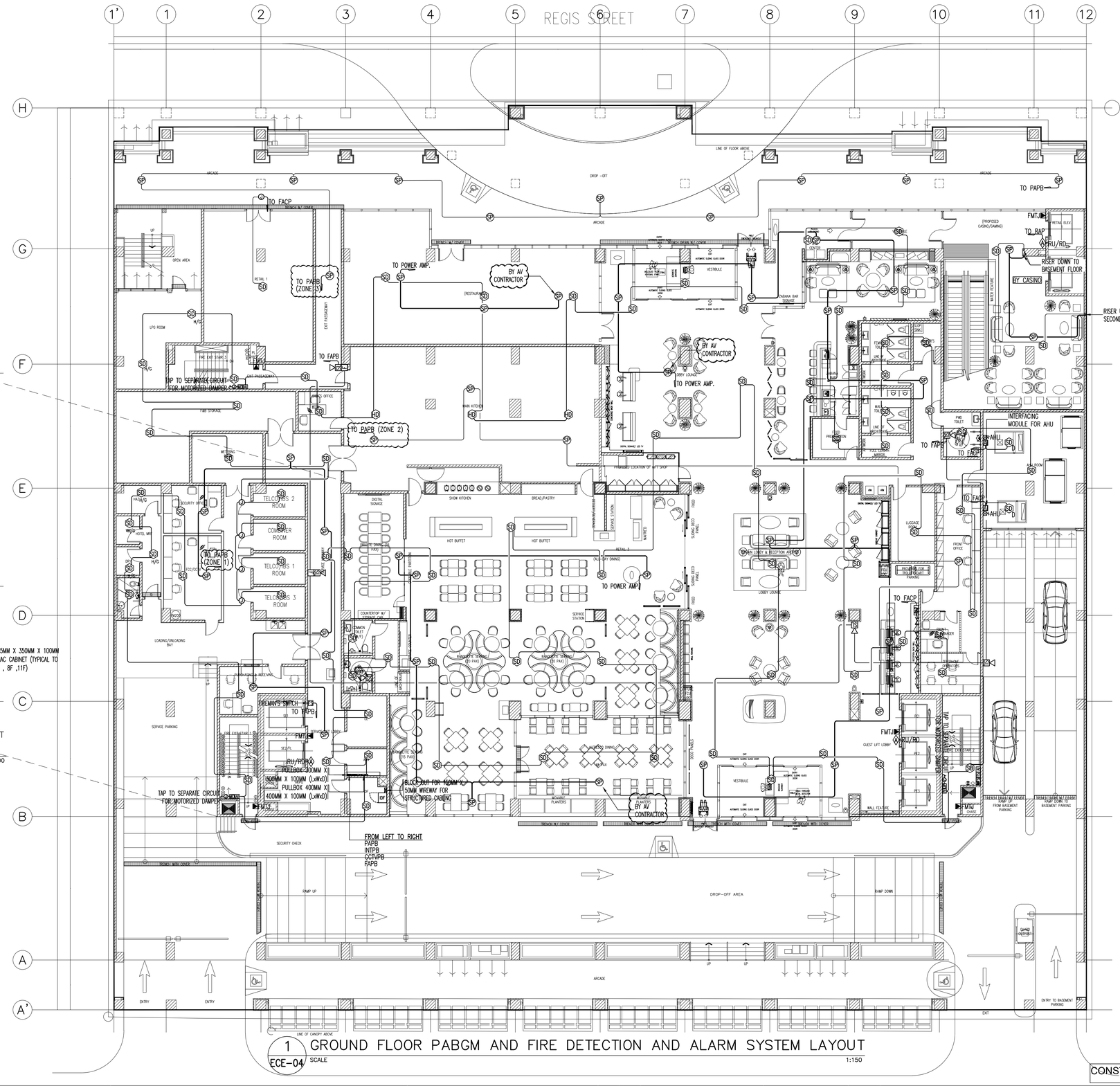
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: BASEMENT 1 AUXILIARY SYSTEM LAYOUT
SHEET NUMBER: ECE-03
FILE NAME:



2 ECE-04 FIRE DETECTION AND ALARM SYSTEM LAYOUT
MEZZANINE FLOOR
SCALE 1:100



1 ECE-04 GROUND FLOOR PABGM AND FIRE DETECTION AND ALARM SYSTEM LAYOUT
SCALE 1:150

NORTH

MEGAWORLD ENGINEERING DESIGN DEPARTMENT
REVIEWED
BY: EMONACIO DATE: 08/18/2025

CONSTRUCTION BULLETIN
DATE: 08-15-2025

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1810692 DATE ISSUED: 01-03-25
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

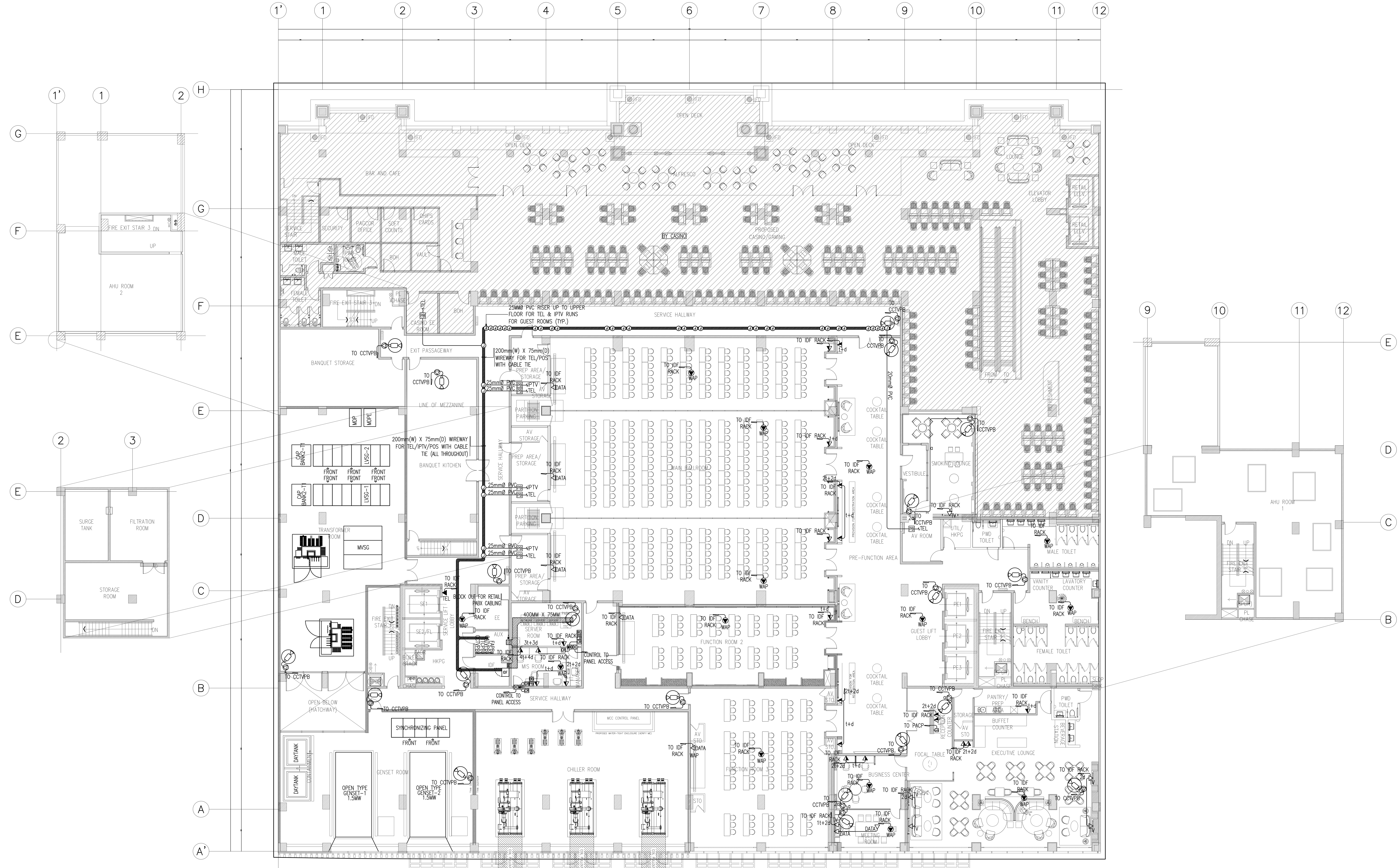
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S:
GROUND FLOOR PABGM AND FIRE DETECTION AND ALARM SYSTEM LAYOUT

FILE NAME:

SHEET NUMBER:
ECE-04



1 SECOND FLOOR AUXILIARY SYSTEM LAYOUT

ECE-07 SCALE 1:150

CONSTRUCTION BULLETIN
DATE: 06-21-2024

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT

REG. NO.:			10589
P.T.R. NO.:	8857744	DATE ISSUED:	10JAN22
ISSUED AT:	MAKATI CITY	T.I.N.:	159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY

EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER

REG. NO.:			0548
P.T.R. NO.:	1745543	DATE ISSUED:	01-02-24
ISSUED AT:	SAN JUAN	T.I.N.:	201-738-472

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD

LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

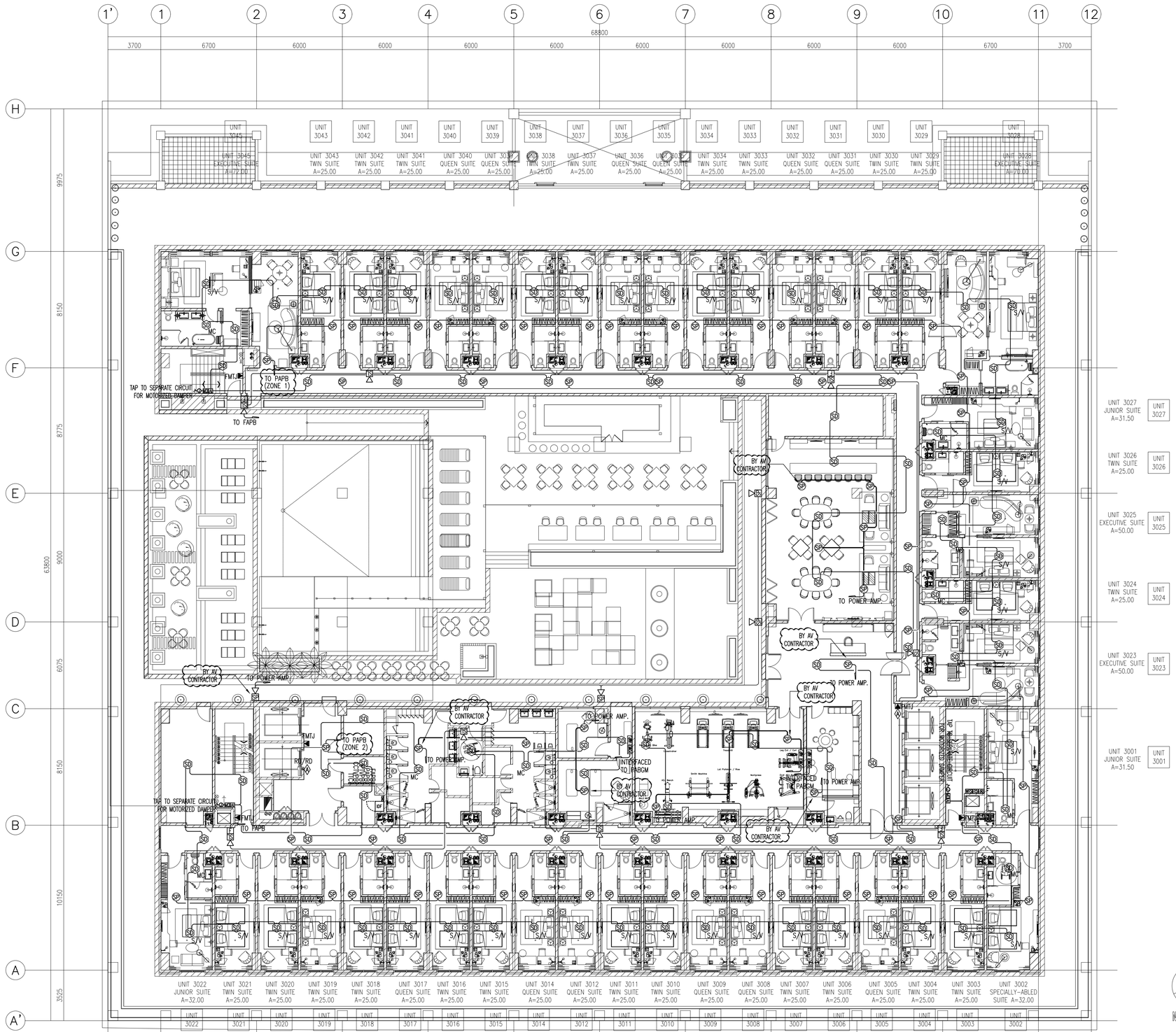
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S:
SECOND FLOOR AUXILIARY SYSTEM LAYOUT

FILE NAME:

SHEET NUMBER:
ECE-07



1 ECE-08 SCALE

THIRD FLOOR PABGM AND FIRE DETECTION AND ALARM SYSTEM LAYOUT

1:150

MEGAWORLD ENGINEERING DESIGN DEPARTMENT
REVIEWED
BY: EMONACIO DATE: 08/18/2025

CONSTRUCTION BULLETIN
DATE: 08-15-2025

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1810692 DATE ISSUED: 01-03-25
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

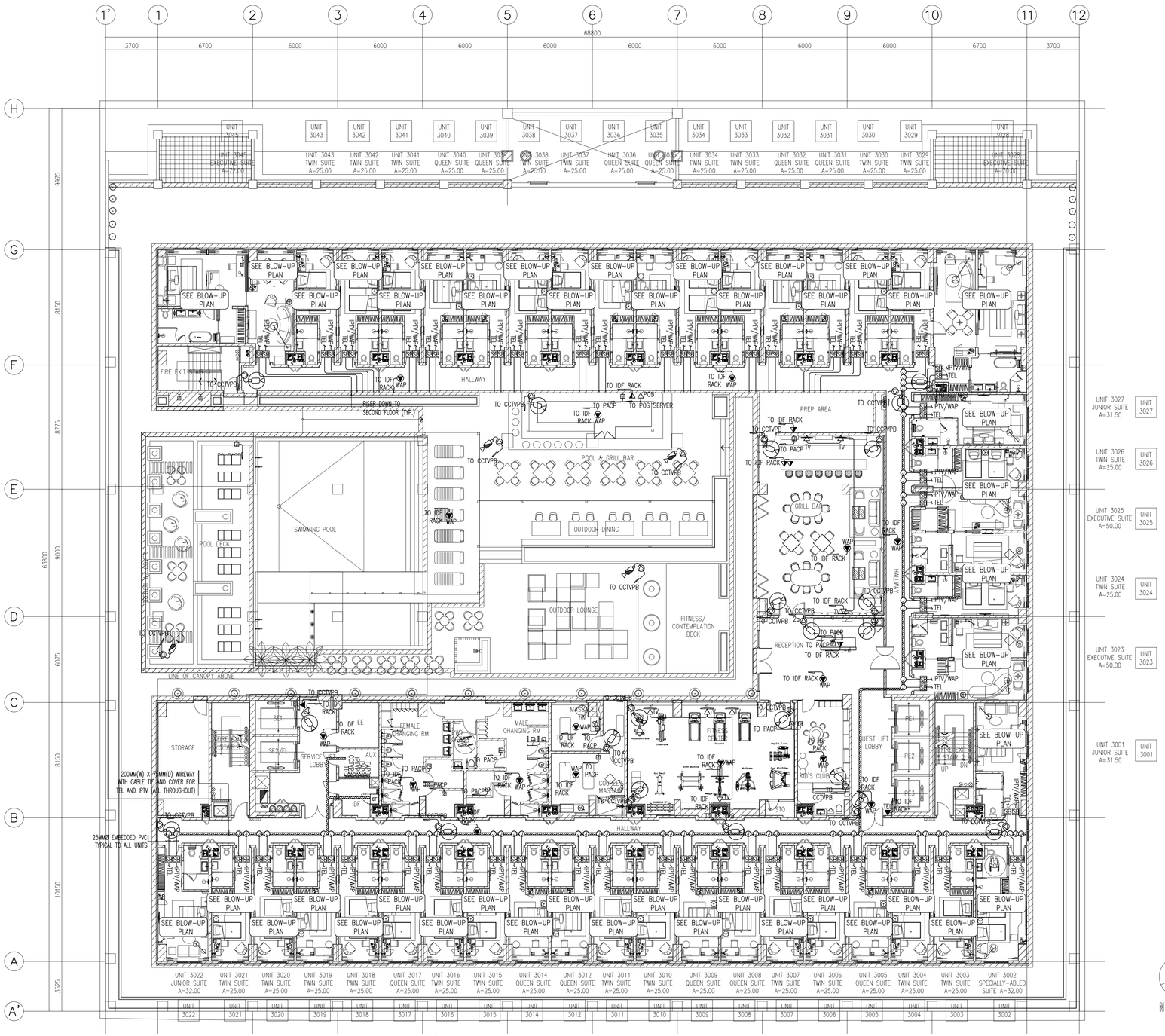
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: THIRD FLOOR PABGM AND FIRE DETECTION AND ALARM SYSTEM LAYOUT

SHEET NUMBER: ECE-08

FILE NAME:



1 ECE-09 SCALE 1:150

THIRD FLOOR AUXILIARY SYSTEM LAYOUT

CONSTRUCTION BULLETIN
DATE: 06-21-2024

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1745543 DATE ISSUED: 01-02-24
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

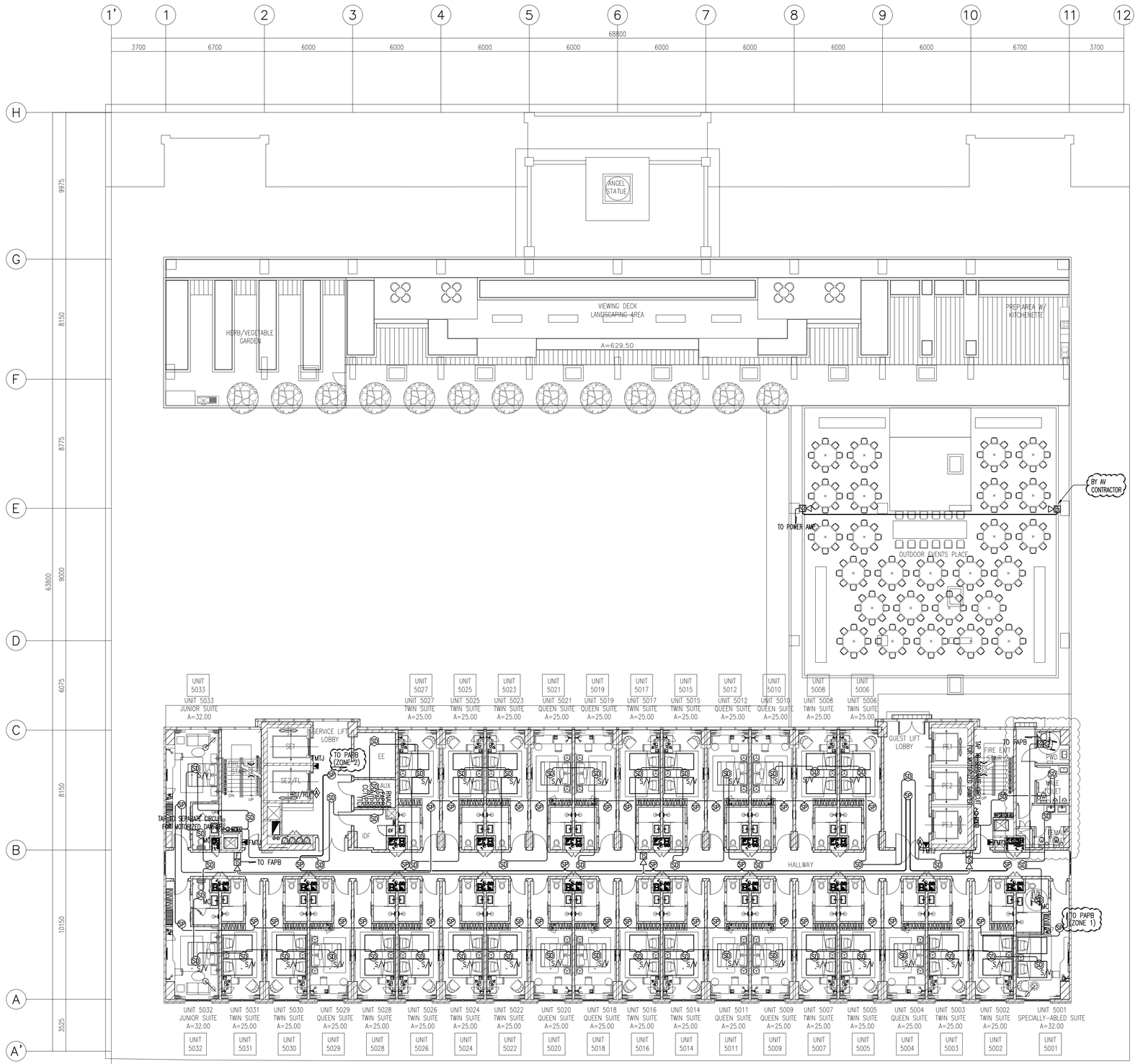
THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: THIRD FLOOR AUXILIARY SYSTEM LAYOUT
SHEET NUMBER: ECE-09
FILE NAME:



1 ECE-10 FIFTH FLOOR PABGM AND FIRE DETECTION AND ALARM SYSTEM LAYOUT

SCALE 1:150

NORTH

MEGAWORLD ENGINEERING DESIGN DEPARTMENT
REVIEWED
BY: EMIGNACIO DATE: 08/18/2025

CONSTRUCTION BULLETIN
DATE: 08-15-2025

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
ELECTRICAL ENGINEERS • DESIGN • CONSULTANCY
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1810692 DATE ISSUED: 01-03-25
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

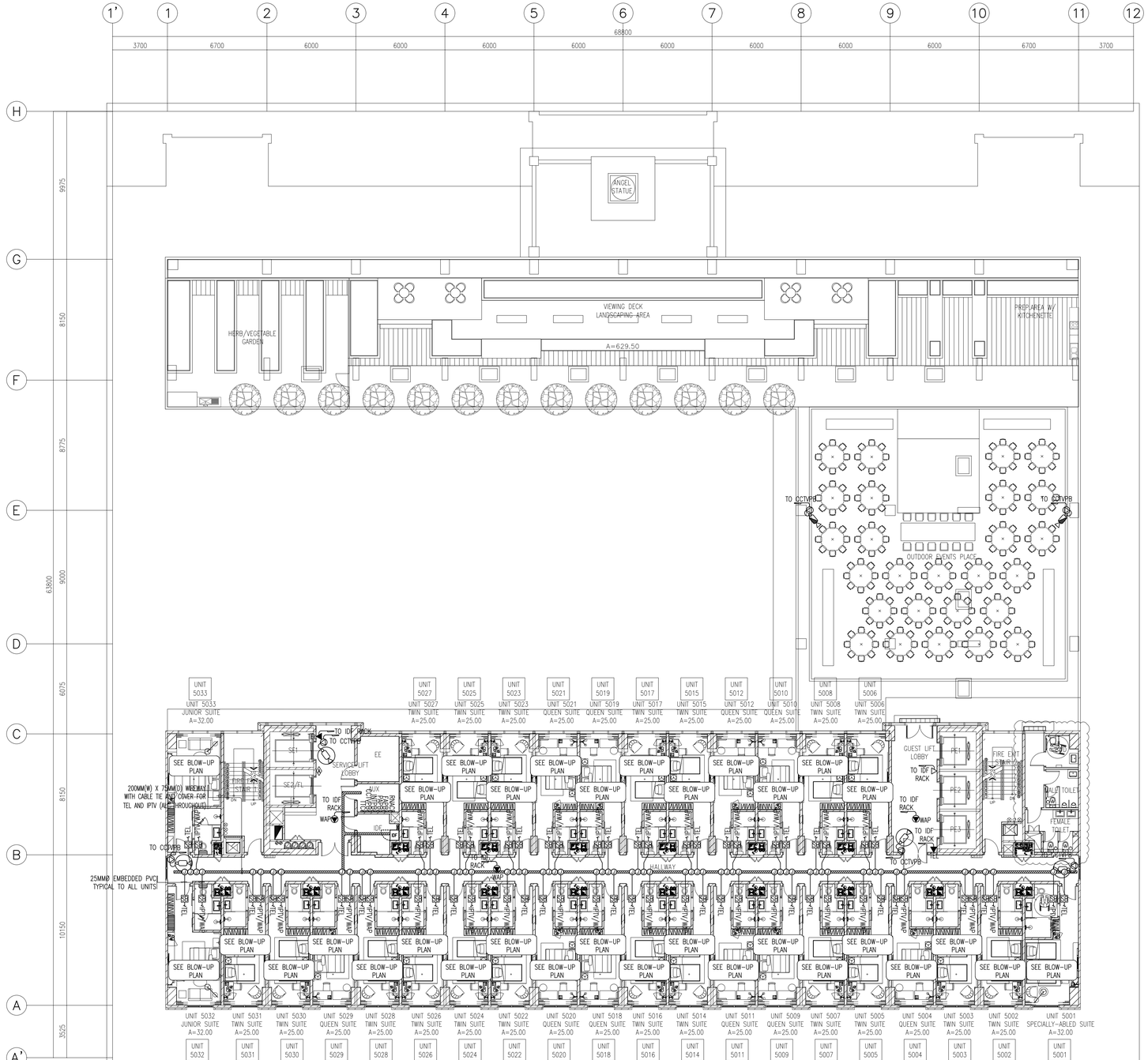
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: FIFTH FLOOR PABGM AND FIRE DETECTION AND ALARM SYSTEM LAYOUT

SHEET NUMBER: ECE-10

FILE NAME:



1 ECE-11 FIFTH FLOOR AUXILIARY SYSTEM LAYOUT

SCALE 1:150

NORTH

MEGAWORLD ENGINEERING DESIGN DEPARTMENT
REVIEWED
by: MGREATHOUSE DATE: 06NOV2023

FOR CONSTRUCTION
DATE: 10-17-2023

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1673925 DATE ISSUED: 01-04-23
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

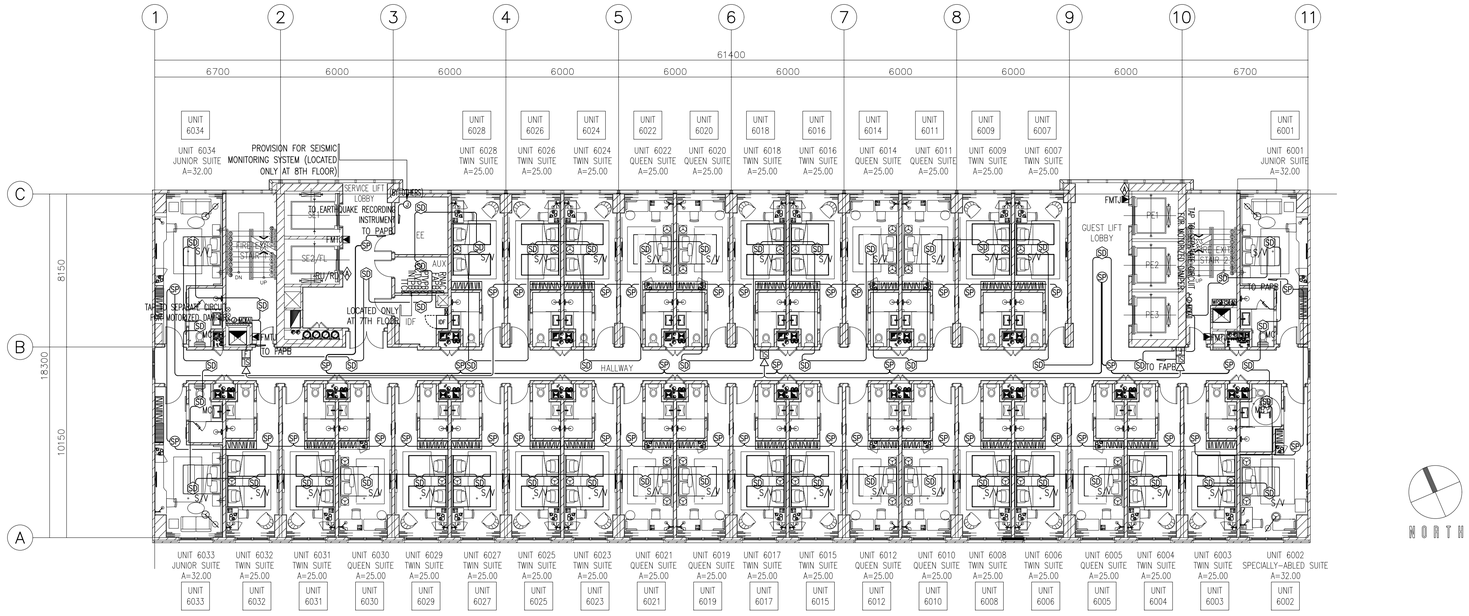
THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

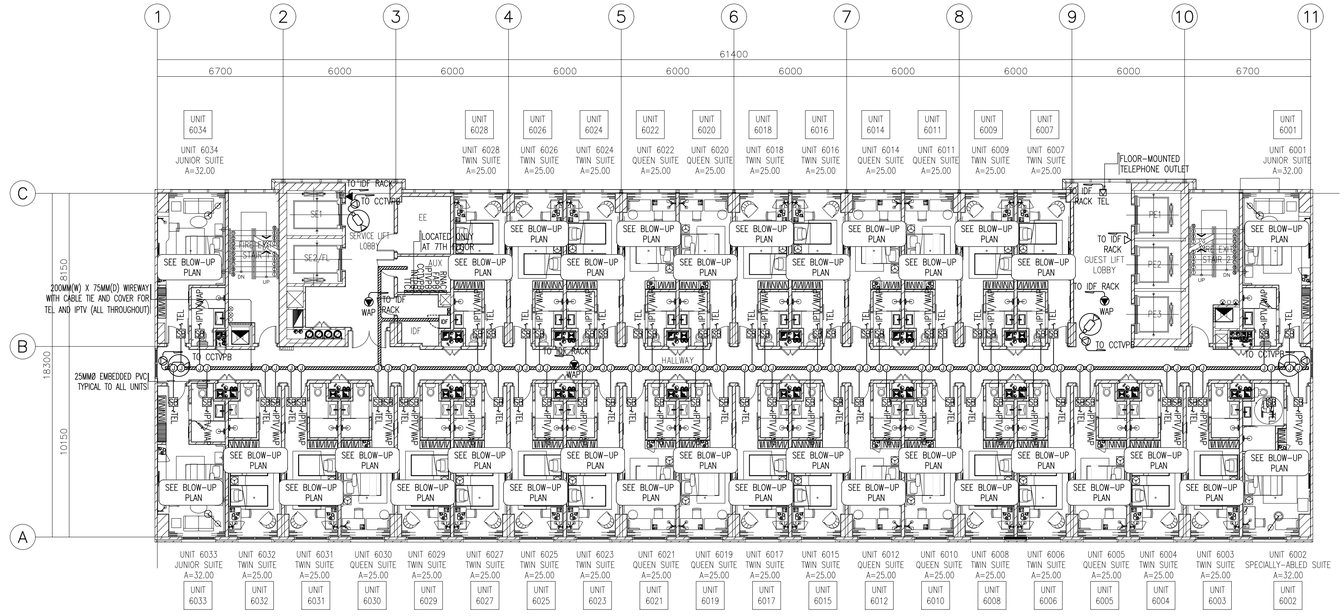
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: FIFTH FLOOR AUXILIARY SYSTEM LAYOUT
SHEET NUMBER: ECE-11
FILE NAME:



1 ECE-12 6TH–9TH FLOOR PABGM AND FIRE DETECTION AND ALARM SYSTEM LAYOUT
SCALE 1:150



2 ECE-12 6TH–9TH FLOOR AUXILIARY SYSTEM LAYOUT
SCALE 1:150

MEGAWORLD ENGINEERING DESIGN DEPARTMENT
REVIEWED
BY: MGBEATINEZ DATE: 08NOV2023

FOR CONSTRUCTION
DATE: 10-17-2023

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
LOURDDY F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER

REG. NO.:	10589	REG. NO.:	0548		
P.T.R. NO.:	8857744	DATE ISSUED:	10JAN22	P.T.R. NO.:	1673925
ISSUED AT:	MAKATI CITY	T.I.N.:	159-508-116	ISSUED AT:	SAN JUAN
				T.I.N.:	201-738-472

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD

LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

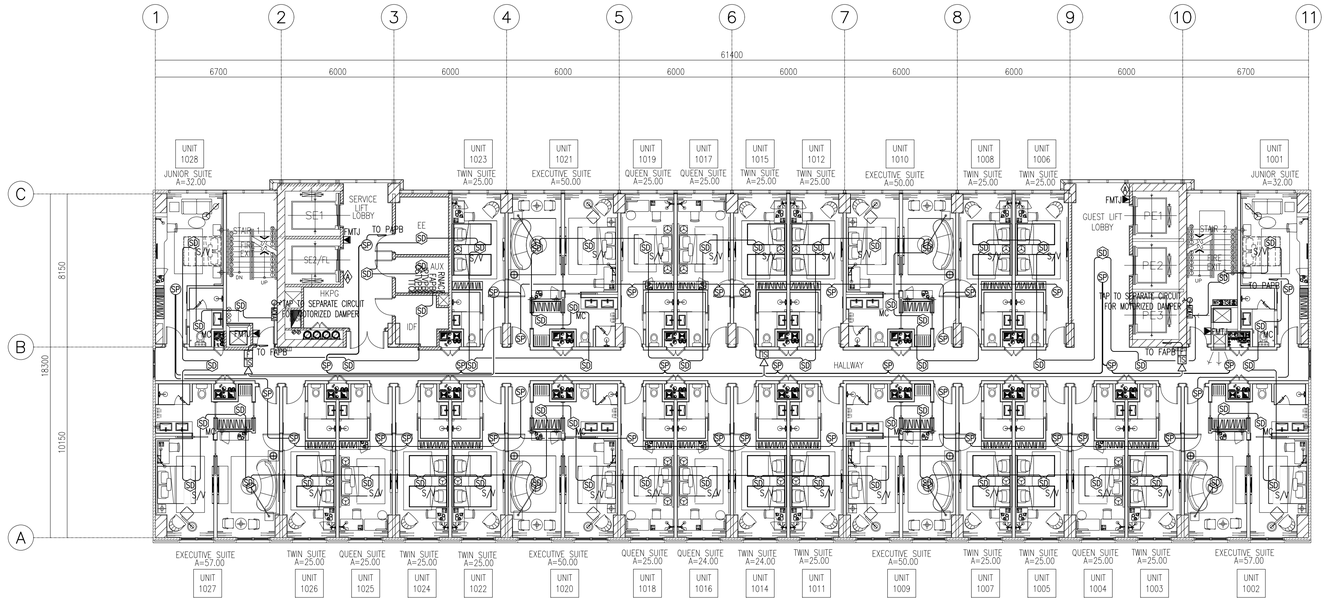
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S:
6TH–9TH FLOOR PABGM AND FIRE DETECTION AND ALARM SYSTEM LAYOUT
6TH–9TH FLOOR AUXILIARY SYSTEM LAYOUT

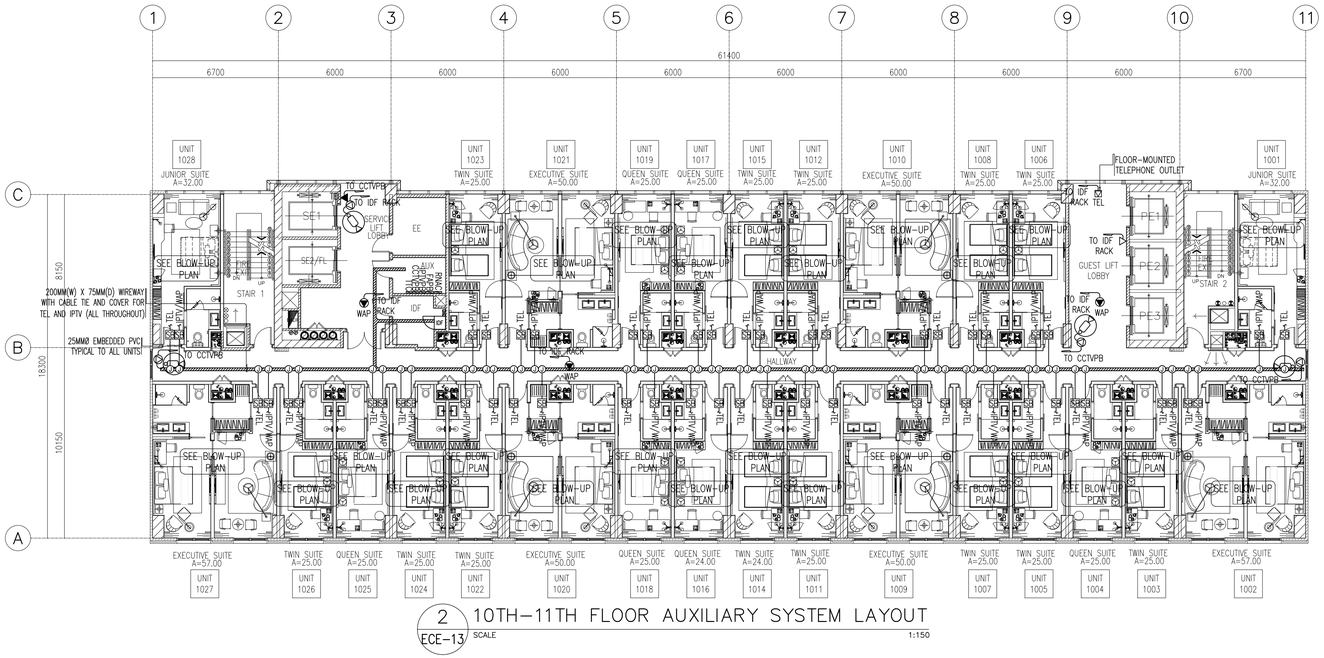
FILE NAME:

SHEET NUMBER:
ECE-12



1 ECE-13 10TH–11TH FLOOR FIRE DETECTION AND ALARM SYSTEM LAYOUT

SCALE 1:150



2 ECE-13 10TH–11TH FLOOR AUXILIARY SYSTEM LAYOUT

SCALE 1:150

MEGAWORLD ENGINEERING DESIGN DEPARTMENT
REVIEWED
BY: MGHEATSHEX DATE: 06/NOV/2023

FOR CONSTRUCTION
DATE: 10-17-2023

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1673925 DATE ISSUED: 01-04-23
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

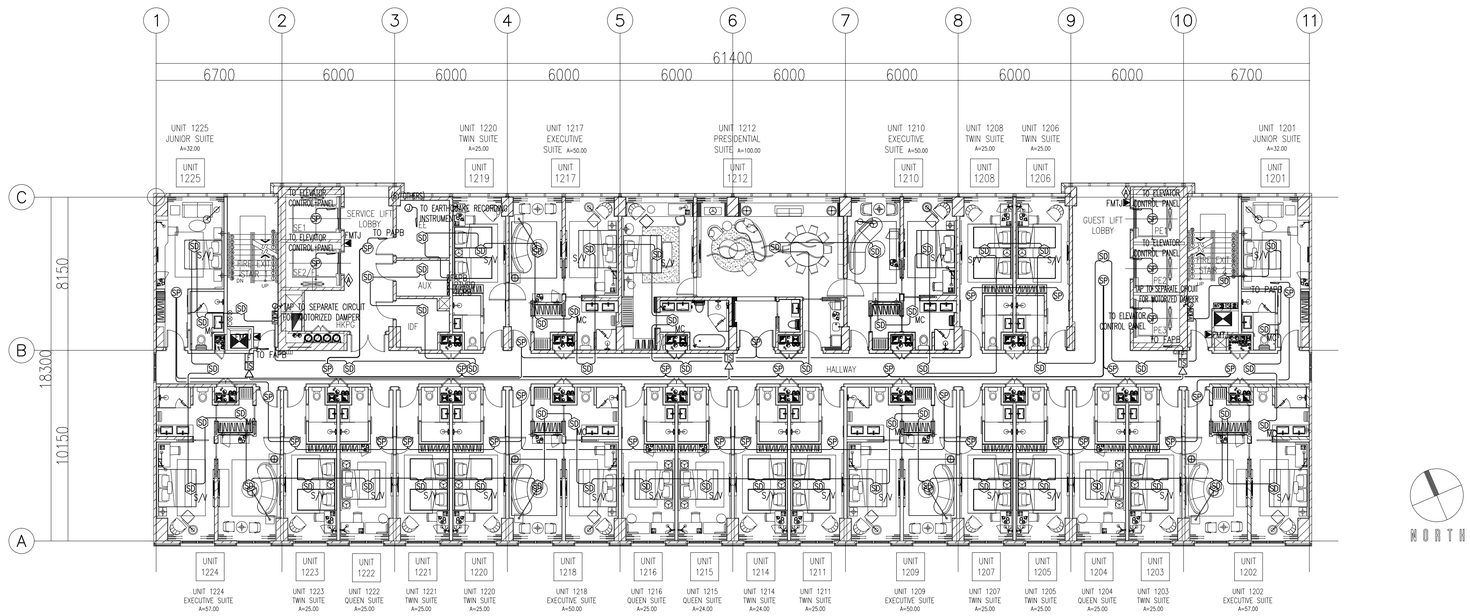
THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

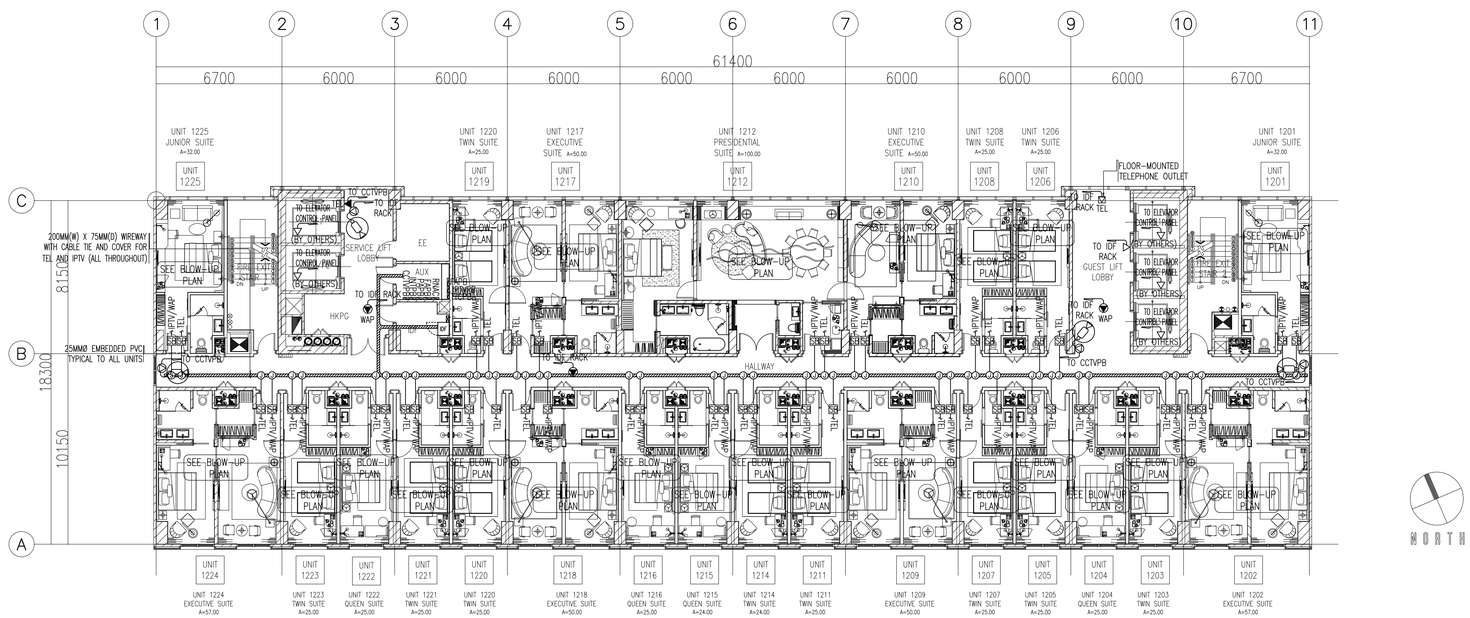
SHEET CONTENT/S: 10TH–11TH FLOOR FDAS & AUXILIARY SYSTEM LAYOUT
FILE NAME:
SHEET NUMBER: ECE-13



1 ECE-14 12TH FLOOR FIRE DETECTION AND ALARM SYSTEM LAYOUT

SCALE 1:150

NORTH



2 ECE-14 12TH FLOOR AUXILIARY SYSTEM LAYOUT

SCALE 1:150

NORTH

MEGAWORLD ENGINEERING DESIGN DEPARTMENT
REVIEWED
BY: MGBEATISMEL DATE: 06NOV2023

FOR CONSTRUCTION
DATE: 10-17-2023

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1673925 DATE ISSUED: 01-04-23
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE:
KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER:
MEGAWORLD CORPORATION

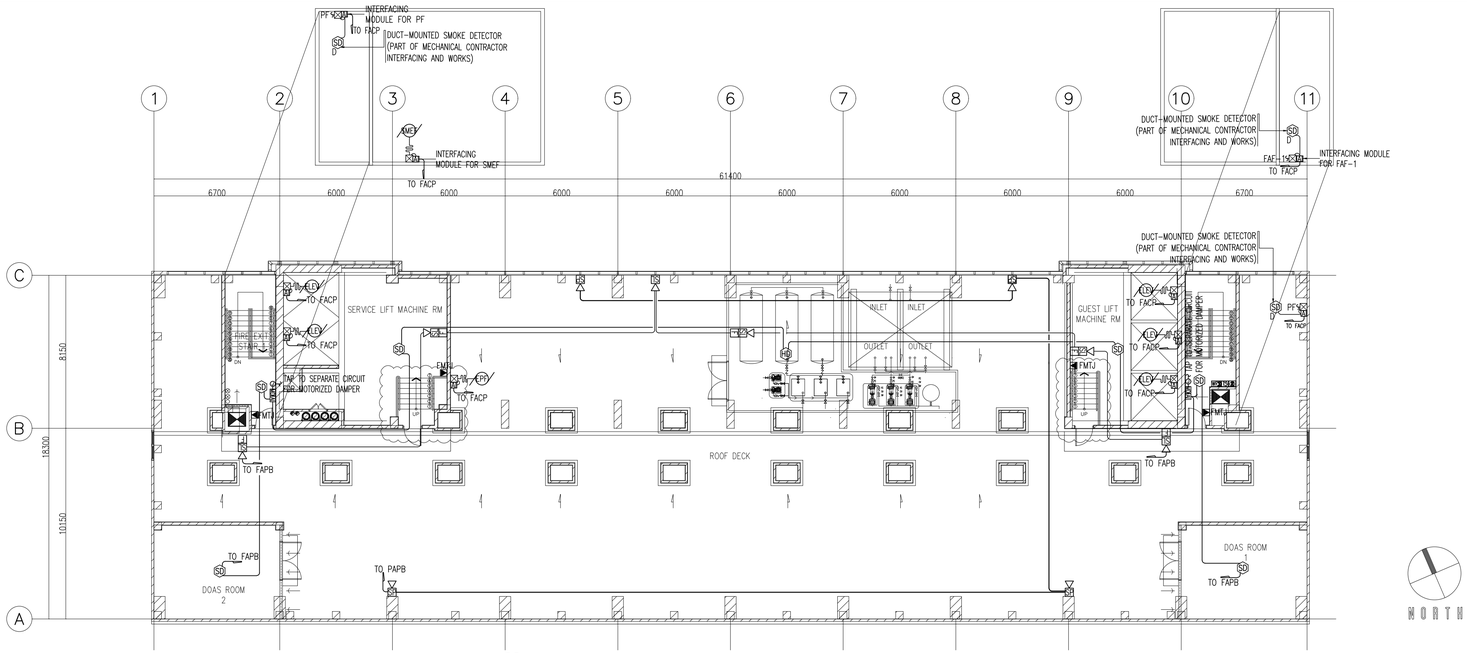
NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: 12TH FLOOR FDAS & AUXILIARY SYSTEM LAYOUT

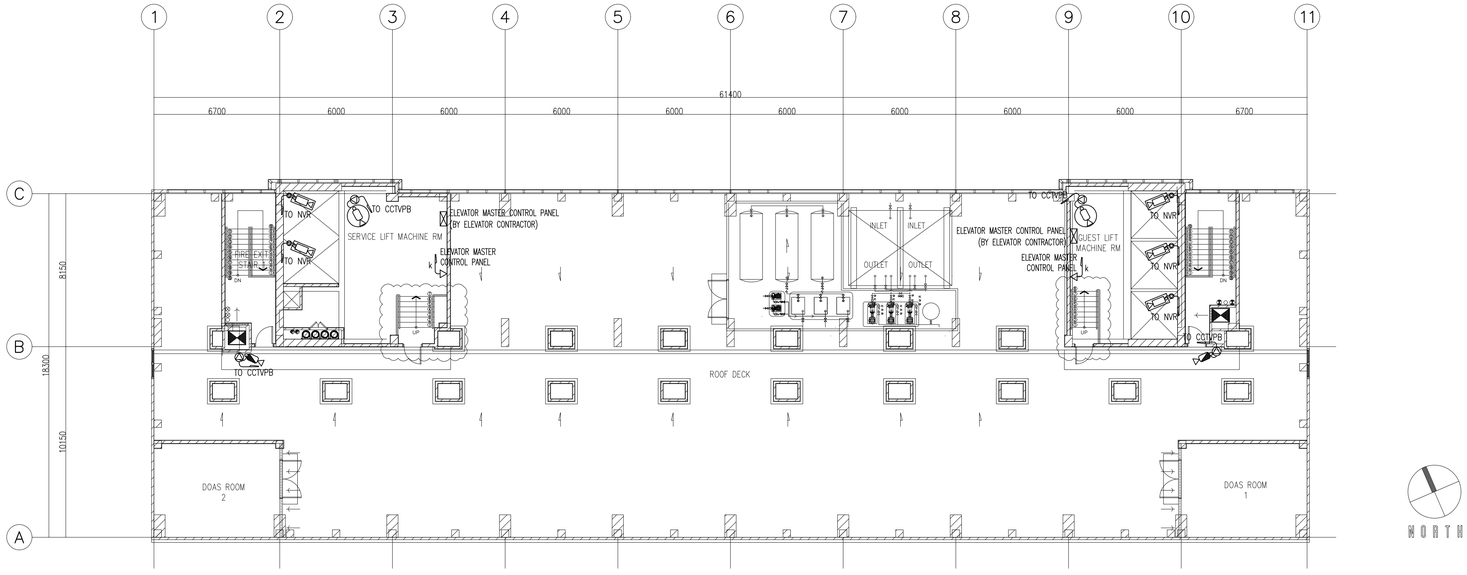
SHEET NUMBER: ECE-14

FILE NAME:



1 ECE-15 ROOF DECK FIRE DETECTION AND ALARM SYSTEM LAYOUT

SCALE 1:150



2 ECE-15 ROOF DECK AUXILIARY SYSTEM LAYOUT

SCALE 1:150

MEGAWORLD ENGINEERING DESIGN DEPARTMENT
REVIEWED
BY: MGBEATISER DATE: 06/NOV/2023

FOR CONSTRUCTION
DATE: 10-17-2023

DESIGN ALLIANCE
ARCHITECTURE & PLANNING

HERMELYN A. CULLANO
ARCHITECT
REG. NO.: 10589
P.T.R. NO.: 8857744 DATE ISSUED: 10JAN22
ISSUED AT: MAKATI CITY T.I.N.: 159-508-116

ENGINEERING DESIGN CONSULTANT:
MARIO A. ALIX PHILIPPINES, INC.
EDUARDO F. MARIN
PROFESSIONAL ELECTRONICS ENGINEER
REG. NO.: 0548
P.T.R. NO.: 1673925 DATE ISSUED: 01-04-23
ISSUED AT: SAN JUAN T.I.N.: 201-738-472

PROJECT TITLE: KINGSFORD HOTEL BACOLOD
LOCATION: MANHATTAN STREET, THE UPPER EAST, BACOLOD CITY, NEGROS OCCIDENTAL

THIS DRAWING AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT HIS PERMISSION. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.
SECTION 33 : REPUBLIC ACT 9266

OWNER/DEVELOPER: MEGAWORLD CORPORATION

NO.:	DATE:	REVISION (S):

DESIGNED BY:	MAAP	
DRAWN BY:	GGB	APR2023
CHECKED BY:	JRO	APR2023
APPROVED BY:	MAA	APR2023
PROJECT CODE:	TUE	

SHEET CONTENT/S: ROOF DECK FDAS & AUXILIARY SYSTEM LAYOUT

SHEET NUMBER: ECE-15

FILE NAME: