22-00173

MAIN CIRCUIT BREAKER

CKT. NO	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD AB	BC	CA	3Ø	AT	SIZE OF WIRES	CONDUITS
1	FEEDER LINE 1	230	115,703	176.13	186.86	139.61		400	3-250.0mm² THHN COPPER WIRE 1-50.0mm² TW GROUND WIRE	in 80mmØ IMC PIPE
2	FEEDER LINE 2	230	149,280	207.39	233.83	207.90		600	2 sets 3-150.0mm² THHN COPPER WIRE 1-30.0mm² TW GROUND WIRE	in 80mmØ IMC PIPE
3	SPARE	230	—	—	—	—		150	—	—
			265,??	385.??	420.56	345.51				

COMPUTATION :

IT = 1.732 X [600.58 A] + [8.25 x 12]

IT = 989.82 AMPERES

OVER CURRENT PROTECTION
USE : 600AT , 3P, 230V MOULDED CASE CIRCUIT BREAKER

MAIN FEEDER :
USE: 2 SETS OF 3 - 250.0mm² THHN & 1-50.0mm² TW GROUND WIRE IN 80mmØ IMC PIPE

FEEDER LINE 1

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD AB	BC	CA	3Ø	AT	SIZE OF WIRES	CONDUITS
1	SB 1 BUILDING	230	40,513	176.13				200	2-80.0mm² THHN COPPER WIRE 1-22.0mm² TW GROUND WIRE	in 50mmØ IMC PIPE
2	MATHAY BUILDING	230	31,280			136.01		225	2-150.0mm² THHN COPPER WIRE 1-30.0mm² TW GROUND WIRE	in 65mmØ IMC PIPE
3	FACULTY	230	36,420		158.35			200	2-125.0mm² THHN COPPER WIRE 1-30.0mm² TW GROUND WIRE	in 65mmØ IMC PIPE
			116,703	176.13	158.35	136.01				

COMPUTATION :

IT = 1.732 X [[176.13 A] + [0.25 X 12]]

IT = 318.36 AMPERES

OVER CURRENT PROTECTION
USE : 400AT, 3P, 230V MOULDED CASE CIRCUIT BREAKER

MAIN FEEDER :
USE: 3 - 250.0mm² THHN & 1-50.0mm² TW GROUND WIRE IN 80mmØ IMC PIPE

FEEDER LINE 2

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD AB	BC	CA	3Ø	AT	SIZE OF WIRES	CONDUITS
1	NEW BUILDING	230	38,800	76.16	90.28	76.16		600	2 SETS OF 3-150.0mm² THHN COPPER WIRE 1-30.0mm² TW GROUND WIRE	in 80mmØ IMC PIPE
2	HE BUILDING	230	33,010	79.88	91.34	90.28		200	3-80.0mm² THHN COPPER WIRE 1-22.0mm² TW GROUND WIRE	in 50mmØ IMC PIPE
3	SB 2 BUILDING	230	39,380	52.35	57.00	41.46		150	3-50.0mm² THHN COPPER WIRE 1-14.0mm² TW GROUND WIRE	in 50mmØ IMC PIPE
			149,280	207.39	233.40	207.90				

COMPUTATION :

IT = 1.732 X [[233.40 A] + [0.25 x 12]]

IT = 409.64 AMPERES

OVER CURRENT PROTECTION
USE : 600AT, 3P, 230V MOULDED CASE CIRCUIT BREAKER

MAIN FEEDER :
USE: 2 SETS OF 3 - 150.0mm² THHN & 1-30.0mm² TW GROUND WIRE IN 80mmØ IMC PIPE

1 **SCHEDULE OF LOADS** SCALE : NTS

Republika ng Pilipinas Lungsod ng Quezon **CITY ENGINEERING DEPARTMENT**	PROJECT TITLE : **PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL** LOCATION : BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY	DRAWN BY: DATE: CHECKED BY: REVISION NO.:	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO	RECOMMENDING APPROVAL: ENGR. ISAGANI R. VERZOSA , JR.	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE CITY MAYOR	SHEET CONTENT SCHEDULE OF LOADS	SHEET NO. EL-04 20 36

22-00173

FACILITY

EXISTING - MAIN DISTRIBUTION PANEL

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	[illegible]	230	[illegible]	[illegible]	150	2-60.0mm² THHN COPPER WIRE 1-22.0mm² TW GROUND WIRE	IN 80mm² PVC PIPE
2	LPP	230	8,650	39.28	100	2-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	IN 40mm² PVC PIPE
			36,181	166.90			

COMPUTATION :

$IT = \frac{36,181 \text{ VA}}{230 \text{ V}}$

IT = 166.96 AMPERES

OVER CURRENT PROTECTION
USE : 250AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 100.0 mm² THHN & 1-38.0 mm² TW GROUND WIRE IN 80mm² PVC PIPE/65mm² IMC PIPE

SB 1 BUILDING

PROPOSED - MAIN DISTRIBUTION PANEL

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	LPP GROUND FLOOR	230	12,640	54.96	70	2-14.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	IN 25mm² IMC PIPE
2	LPP SECOND FLOOR	230	14,200	61.78	70	3-14.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	IN 32mm² IMC PIPE
3	LPP THIRD FLOOR	230	5,350	23.26	70	3-14.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	IN 25mm² IMC PIPE
4	BOOSTER PUMP	230	8,300	45	70	2-14.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	IN 25mm² IMC PIPE
			40,210	175.13			

COMPUTATION :

$IT = \frac{40,210 \text{ VA} + (0.25 \times 1,040)}{230 \text{ V}}$

IT = 175.13 AMPERES

OVER CURRENT PROTECTION
USE : 250AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 80.0mm² THHN & 1-22.0mm² TW GROUND WIRE IN 80mm² PVC PIPE/50mm² IMC PIPE

SB 1 BUILDING

PROPOSED LPP - GROUND FLOOR

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	12-LIGHTING FIXTURES	230	600	2.61	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 20mm² PVC PIPE
2	12-LIGHTING FIXTURES	230	600	2.61	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 20mm² PVC PIPE
3	8-CEILING FANS	230	1,200	5.22	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 20mm² PVC PIPE
4	8-CONVENIENCE OUTLETS	230	1,440	6.26	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 20mm² PVC PIPE
5	8-CONVENIENCE OUTLETS	230	1,440	6.26	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 20mm² PVC PIPE
6	1-ACU	230	1,840	8	30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mm² PVC PIPE
7	1-ACU	230	1,840	8	30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mm² PVC PIPE
8	1-ACU	230	1,840	8	30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mm² PVC PIPE
9	1-ACU	230	1,840	8	40	2-5.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mm² PVC PIPE
10	SPARE	230	—	—	60	—	—
			12,640	54.96			

COMPUTATION :

$IT = \frac{12,640 \text{ VA} + (0.25 \times 1,840 \text{ VA})}{230 \text{ V}}$

IT = 56.96 AMPERES

OVER CURRENT PROTECTION
USE : 70AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 14.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 20mm² PVC PIPE/25mm² IMC PIPE

1 SCHEDULE OF LOADS

SCALE : NTS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL

LOCATION :
BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY

DRAWN BY :
DATE :
CHECKED BY :

SUBMITTED BY :
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL :
ENGR. ISAGANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY :
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR

SHEET CONTENT : SCHEDULE OF LOADS

SHEET NO. EL-05
21 36

22-00173

SB 1 BUILDING

PROPOSED LPP - SECOND FLOOR

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	18–LIGHTING FIXTURES	230	900	3.91	20	2–3.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 20mmø PVC PIPE
2	19–LIGHTING FIXTURES	230	950	4.13	20	2–3.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 20mmø PVC PIPE
3	8–CEILING FANS	230	1,200	5.22	20	2–3.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 20mmø PVC PIPE
4	8–CONVENIENCE OUTLETS	230	1,440	6.26	20	2–3.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 20mmø PVC PIPE
5	8–CONVENIENCE OUTLETS	230	1,440	6.26	20	2–3.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 20mmø PVC PIPE
6	1–AOU	230	1,840	8	30	2–5.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
7	1–AOU	230	1,840	8	30	2–5.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
8	1–AOU	230	1,840	8	30	2–5.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
9	1–AOU	230	1,840	8	40	2–5.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
10	SPARE	230	—	—	30	—	—
			13,240	57.57			

COMPUTATION :

$IT = \frac{13,290\ VA + (0.25 \times 1,840\ VA)}{230\ V}$

$IT = 59.78\ AMPERES$

OVER CURRENT PROTECTION
USE : 70AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 14.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 32mmø PVC PIPE/25mmø IMC PIPE

SB 1 BUILDING

PROPOSED LPP - THIRD FLOOR

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	8–LIGHTING FIXTURES	230	400	1.74	20	2–3.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 20mmø PVC PIPE
2	8–LIGHTING FIXTURES	230	400	1.74	20	2–3.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 20mmø PVC PIPE
3	10–LIGHTING FIXTURES	230	500	2.17	20	2–3.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 20mmø PVC PIPE
4	4–CEILING FANS	230	800	3.61	20	2–3.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 20mmø PVC PIPE
5	4–CEILING FANS	230	800	3.61	20	2–3.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 20mmø PVC PIPE
6	4–CONVENIENCE OUTLETS	230	720	3.13	30	2–5.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
7	4–CONVENIENCE OUTLETS	230	720	3.13	30	2–5.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
8	4–CONVENIENCE OUTLETS	230	720	3.13	30	2–5.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
9	4–CONVENIENCE OUTLETS	230	720	3.13	40	2–5.5mm² THHN COPPER WIRE 1–3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
10	SPARE	230	—	—	30	—	—
			5,160	22.39			

COMPUTATION :

$IT = \frac{5,160\ VA}{230\ V}$

$IT = 22.39\ AMPERES$

OVER CURRENT PROTECTION
USE : 70AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 14.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 32mmø PVC PIPE/25mmø IMC PIPE

1 SCHEDULE OF LOADS

SCALE : NTS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL

LOCATION :
BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY

DRAWN BY: RDM
DATE:
CHECKED BY:
DRAWING NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA, JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT: SCHEDULE OF LOADS

SHEET NO.: EL-06
22 36

22-00173

MATHAY BUILDING

LPP A - EXISTING (THIRD FLOOR) - FOR REPLACEMENT

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	3-LIGHTING FIXTURES 2-CEILING FAN	230	300	2.17	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
2	4-LIGHTING FIXTURES 2-CEILING FAN	230	300	2.17	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
3	4-LIGHTING FIXTURES 2-CEILING FAN	230	300	2.17	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
4	4-LIGHTING FIXTURES 2-CEILING FAN	230	300	2.17	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
5	7-LIGHTING FIXTURES	230	350	1.52	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
6	6-LIGHTING FIXTURES	230	300	1.30	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
7	5-CONVENIENCE OUTLETS	230	900	3.91	20	2-5.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 32mmø PVC PIPE
8	4-CONVENIENCE OUTLETS	230	720	3.13	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
9	5-CONVENIENCE OUTLETS	230	900	3.91	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
10	4-CONVENIENCE OUTLETS	230	720	3.13	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmø PVC PIPE
11	SPARE	230	—	—	20	—	—
12	SPARE	230	—	—	20	—	—
			5,890	25.61			

COMPUTATION :

IT = 5,890 VA / 230 V

IT = 25.61 AMPERES

OVER CURRENT PROTECTION
USE : 100AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 30.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 40mmØ PVC PIPE/32mmØ IMC PIPE

MATHAY BUILDING

LPP A - EXISTING (SECOND FLOOR) - FOR REPLACEMENT

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	4-LIGHTING FIXTURES 2-CEILING FAN	230	300	2.17	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN PVC MOULDING
2	4-LIGHTING FIXTURES 2-CEILING FAN	230	300	2.17	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN PVC MOULDING
3	4-LIGHTING FIXTURES 2-CEILING FAN	230	300	2.17	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN PVC MOULDING
4	4-LIGHTING FIXTURES 2-CEILING FAN	230	300	2.17	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN PVC MOULDING
5	7-LIGHTING FIXTURES	230	350	1.52	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN PVC MOULDING
6	6-LIGHTING FIXTURES	230	300	1.30	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN PVC MOULDING
7	5-CONVENIENCE OUTLETS	230	1,625	7.04	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 32mmø PVC PIPE
8	8-CONVENIENCE OUTLETS	230	1,440	6.26	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 32mmø PVC PIPE
9	5-CONVENIENCE OUTLETS	230	1,625	7.04	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 32mmø PVC PIPE
10	5-CONVENIENCE OUTLETS	230	1,440	6.26	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 32mmø PVC PIPE
11	SPARE	230	—	—	20	—	—
12	SPARE	230	—	—	20	—	—
			8,770	38.13			

COMPUTATION :

IT = 8,770 VA / 230 V

IT = 38.13 AMPERES

OVER CURRENT PROTECTION
USE : 100AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 38.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 40mmØ PVC PIPE/32mmØ IMC PIPE

1 SCHEDULE OF LOADS

SCALE : NTS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL

LOCATION :
BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA , JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
SCHEDULE OF LOADS

SHEET NO.
EL-08
24 36

MATHAY BUILDING

EXISTING - MAIN DISTRIBUTION PANEL

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	LPP GROUND FLOOR	230	15,860	68.13	100	2-30.0mm² THHN COPPER WIRE 1-5.5mm² TW GROUND WIRE	IN 50mmØ IMC PIPE
2	LPP SECOND FLOOR	230	8,770	38.13	100	2-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	IN 32mmØ IMC PIPE
3	LPP THIRD FLOOR	230	5,850	25.61	100	2-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	IN 32mmØ IMC PIPE
4	STAGE	230	1,320	5.74	50	2-8.0mm² THHN COPPER WIRE 1-5.5mm² TW GROUND WIRE	IN 20mmØ IMC PIPE
			31,880	138.61			

COMPUTATION :

$$IT = \frac{31,880\ VA + (0.25)1,840)}{230\ V}$$

IT = 140.61 AMPERES

OVER CURRENT PROTECTION
USE : 225AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 100.0mm² THHN & 1-30.0mm² TW GROUND WIRE IN 65mmØ PVC PIPE/65mmØ IMC PIPE

STAGE

EXISTING - MAIN DISTRIBUTION PANEL

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	13- LIGHTING FIXTURES	230	800	3.61	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
2	4-CONVENIENCE OUTLETS	230	720	3.13	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
			1,320	5.74			

COMPUTATION :

$$IT = \frac{1,320\ VA}{230\ V}$$

IT = 5.74 AMPERES

OVER CURRENT PROTECTION
USE : 30AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 5.5 mm² THHN & 1-3.5 mm² TW GROUND WIRE IN 25mmØ PVC PIPE/20mmØ IMC PIPE

MATHAY BUILDING

LPP A - EXISTING (GROUND FLOOR) - FOR REPLACEMENT

22-00173

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	16-LIGHTING FIXTURES	230	880	3.48	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
2	16-LIGHTING FIXTURES	230	880	3.48	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
3	8-CONVENIENCE OUTLETS	230	1,440	6.26	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
4	8-CONVENIENCE OUTLETS	230	1,440	6.26	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
5	8-LIGHTING FIXTURES 4-EXHAUST FANS	230	720	3.24	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN PVC MOULDING
6	8-LIGHTING FIXTURES	230	560	3.31	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN PVC MOULDING
7	8-CONVENIENCE OUTLETS	230	1,440	6.26	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
8	9-CONVENIENCE OUTLETS	230	1,620	7.04	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
9	1-ACU	230	1,840	8	30	2-5.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
10	1-ACU	230	1,840	8	30	2-5.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
11	1-ACU	230	1,840	8	30	2-5.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
12	1-ACU	230	1,840	8	30	2-5.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	IN 25mmØ PVC PIPE
			15,860	68.13			

COMPUTATION :

$$IT = \frac{15,860\ VA + (0.25)1,840)}{230\ V}$$

IT = 71.15 AMPERES

OVER CURRENT PROTECTION
USE : 100AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 30.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 40mmØ PVC PIPE/32mmØ IMC PIPE

1 SCHEDULE OF LOADS

SCALE : NTS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL

LOCATION :
BARANGAY SAN BARTOLOME, DISTRICT II, QUEZON CITY

DRAWN BY:
M.E.
CHECKED BY:
REVISIONS :

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

RECOMMENDING APPROVAL:
ENGR. IBRAHANI R. VERZOSA, JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR

SHEET CONTENT: SCHEDULE OF LOADS

SHEET NO.: EL-07
2336

NEW BUILDING

EXISTING MAIN MAIN DISTRIBUTION PANEL

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD				AT	SIZE OF	
				AB	BC	CA	3Ø		WIRES	CONDUITS
1	GROUND FLOOR	230	14,240	19.04	33.82	19.04		100	3-38.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	91.25mm¢ IMC PIPE
2	SECOND FLOOR	230	14,240	19.04	33.82	19.04		100	3-38.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	91.25mm¢ IMC PIPE
3	THIRD FLOOR	230	14,240	19.04	33.82	19.04		100	3-38.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	91.25mm¢ IMC PIPE
4	FOURTH FLOOR	230	14,240	19.04	33.82	19.04		100	3-38.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	91.25mm¢ IMC PIPE
5	SPARE	230	—	—	—	—		50	—	—
6	SPARE	230	—	—	—	—		40	—	—
			56,960	76.16	135.28	76.16				

COMPUTATION :

IT = 1,332 X 86.28 A

IT = 180.83 AMPERES

OVER CURRENT PROTECTION
USE : 300AT, 3P, 230V MOULDED CASE CIRCUIT BREAKER

MAIN FEEDER :
USE: 3 - 150.0mm² THHN & 1-38.0mm² TW GROUND WIRE IN 80mmØ IMC PIPE

NEW BUILDING

22-00173

LPP - EXISTING (GROUND FLOOR - FOURTH FLOOR TYPICAL)

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD				AT	SIZE OF	
				AB	BC	CA	3Ø		WIRES	CONDUITS
1	8-LIGHTING FIXTURES	230	480	1.74				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
2	8-LIGHTING FIXTURES	230	480	1.74				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
3	8-LIGHTING FIXTURES	230	480			1.74		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
4	8-LIGHTING FIXTURES	230	480			1.74		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
5	8-LIGHTING FIXTURES	230	480		1.74			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
6	8-LIGHTING FIXTURES	230	480		1.74			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
7	1-LIGHTING FIXTURES	230	120	1.30				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
8	1-LIGHTING FIXTURES	230	120	1.30				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
9	1-LIGHTING FIXTURES	230	300			1.30		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
10	1-LIGHTING FIXTURES	230	300			1.30		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
11	6-CEILING FAN	230	900		3.91			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
12	6-CEILING FAN	230	900		3.91			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
13	8-CONVENIENCE OUTLETS	230	1,440	6.26				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
14	8-CONVENIENCE OUTLETS	230	1,440	6.26				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
15	8-CONVENIENCE OUTLETS	230	1,440			6.26		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
16	8-CONVENIENCE OUTLETS	230	1,440			6.26		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
17	8-CONVENIENCE OUTLETS	230	1,440		6.26			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
18	8-CONVENIENCE OUTLETS	230	1,440		6.26			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	19.25mmØ PVC PIPE
19	SPARE	230	—	—				20	—	—
20	SPARE	230	—	—				20	—	—
			14,240	19.04	33.82	19.04				

COMPUTATION :

IT = 1,732 x 25.82 VA

IT = 44.26 AMPERES

OVER CURRENT PROTECTION
USE : 100AT, 3P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 3 - 30.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 40mmØ PVC PIPE/32mmØ IMC PIPE

1 SCHEDULE OF LOADS

SCALE : NTS

Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE : PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL LOCATION : BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY	DRAWN BY: DATE: CHECKED BY: REVISION NO.	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	RECOMMENDING APPROVAL: ENGR. ISAGANI R. VERZOSA , JR. OIC, CITY ENGINEERING DEPARTMENT	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE CITY MAYOR	SHEET CONTENT SCHEDULE OF LOADS	SHEET NO. EL-09 25 36

HB BUILDING
EXISTING MAIN MAIN DISTRIBUTION PANEL - FOR REPLACEMENT

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD				AT	SIZE OF	
				AB	BC	CA	3Ø		WIRES	CONDUITS
1	GROUND FLOOR	230	[illegible]	[illegible]	[illegible]	[illegible]		100	3-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	Ø 32mmØ IMC PIPE
2	SECOND FLOOR	230	[illegible]	[illegible]	[illegible]	[illegible]		100	3-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	Ø 32mmØ IMC PIPE
3	THIRD FLOOR	230	[illegible]	[illegible]	[illegible]	[illegible]		100	3-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	Ø 32mmØ IMC PIPE
4	FOURTH FLOOR	230	[illegible]	[illegible]	[illegible]	[illegible]		100	3-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	Ø 32mmØ IMC PIPE
5	SPARE	230	—					20	—	—
6	CCTV	230	[illegible]	[illegible]				20	2-5.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mmØ IMC PIPE
7	FDAS	230	[illegible]			[illegible]		60	3-14.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	Ø 25mmØ IMC PIPE
8	BOOSTER PUMP	230	[illegible]		[illegible]			50	2-8.0mm² THHN COPPER WIRE 1-5.5mm² TW GROUND WIRE	Ø 25mmØ IMC PIPE
			[illegible]	[illegible]	[illegible]	[illegible]				

COMPUTATION :

IT = 1.732 X 81.34 A

IT = 140.88 AMPERES

OVER CURRENT PROTECTION
USE : 200AT, 3P, 230V MOULDED CASE CIRCUIT BREAKER

MAIN FEEDER :
USE: 3-80.0mm² THHN & 1-22.0mm² TW GROUND WIRE IN 50mmØ IMC PIPE

HB BUILDING
22-00173
LPP - EXISTING (GROUND FLOOR) - FOR REPLACEMENT

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD				AT	SIZE OF	
				AB	BC	CA	3Ø		WIRES	CONDUITS
1	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000	[illegible]				[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø PVC MOULDING
2	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000	[illegible]				[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø PVC MOULDING
3	12-LIGHTING FIXTURES	230	[illegible]			[illegible]		[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø PVC MOULDING
4	8-LIGHTING FIXTURES	230	[illegible]			[illegible]		[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø PVC MOULDING
5	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000		[illegible]			[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø PVC MOULDING
6	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000		[illegible]			[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø PVC MOULDING
7	1-CONVENIENCE OUTLETS	230	[illegible]	[illegible]				[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mmØ PVC PIPE
8	1-CONVENIENCE OUTLETS	230	[illegible]	[illegible]				[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mmØ PVC PIPE
9	8-LIGHTING FIXTURES 2-CEILING FAN	230	[illegible]			[illegible]		[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø PVC MOULDING
10	8-LIGHTING FIXTURES 2-CEILING FAN	230	[illegible]			[illegible]		[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø PVC MOULDING
11	8-LIGHTING FIXTURES 2-CEILING FAN	230	[illegible]		[illegible]			[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø PVC MOULDING
12	8-LIGHTING FIXTURES 2-CEILING FAN	230	[illegible]		[illegible]			[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø PVC MOULDING
13	4-CONVENIENCE OUTLETS	230	[illegible]	[illegible]				[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mmØ PVC PIPE
14	4-CONVENIENCE OUTLETS	230	[illegible]	[illegible]				[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mmØ PVC PIPE
15	4-CONVENIENCE OUTLETS	230	[illegible]			[illegible]		[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mmØ PVC PIPE
16	4-CONVENIENCE OUTLETS	230	[illegible]			[illegible]		[illegible]	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mmØ PVC PIPE
17	SPARE	230	—					[illegible]	—	—
18	SPARE	230	—					[illegible]	—	—
			[illegible]	[illegible]	[illegible]	[illegible]				

COMPUTATION :

IT = [illegible]

IT = [illegible] AMPERES

OVER CURRENT PROTECTION
USE : 100AT, 3P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 3 - 30.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 40mmØ PVC PIPE/32mmØ IMC PIPE

1 SCHEDULE OF LOADS

SCALE : NTS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL

LOCATION :
BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

RECOMMENDING APPROVAL:
ENGR. BAGANI R. VERZOSA , JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR

SHEET CONTENT
SCHEDULE OF LOADS

SHEET NO.
EL-10
26 36

HB BUILDING
LPP - EXISTING (SECOND FLOOR) - FOR REPLACEMENT

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD AB	BC	CA	3Ø	AT	SIZE OF WIRES	CONDUITS
1	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000	4.35				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
2	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000	4.35				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
3	12-LIGHTING FIXTURES	230	800			3.41		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
4	6-LIGHTING FIXTURES	230	400			1.96		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
5	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000		4.35			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
6	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000		4.35			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
7	4-CONVENIENCE OUTLETS	230	720	3.13				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
8	4-CONVENIENCE OUTLETS	230	720	3.13				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
9	6-LIGHTING FIXTURES 2-CEILING FAN	230	700			3.04		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
10	6-LIGHTING FIXTURES 2-CEILING FAN	230	700			3.04		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
11	6-LIGHTING FIXTURES 2-CEILING FAN	230	700		3.04			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
12	6-LIGHTING FIXTURES 2-CEILING FAN	230	700		3.04			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
13	4-CONVENIENCE OUTLETS	230	720	3.13				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
14	4-CONVENIENCE OUTLETS	230	720	3.13				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
15	4-CONVENIENCE OUTLETS	230	720			3.13		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
16	4-CONVENIENCE OUTLETS	230	720			3.13		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
17	SPARE	230	—					20	—	—
18	SPARE	230	—					20	—	—
			12,170	21.22	14.78	19.81				

COMPUTATION :

IT = 1.732 x 21.22 VA

IT = 36.75 AMPERES

OVER CURRENT PROTECTION
USE : 100AT, 3P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 3 - 30.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 40mmØ PVC PIPE/32mmØ IMC PIPE

HB BUILDING

22-00173

LPP - EXISTING (THIRD FLOOR) - FOR REPLACEMENT

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD AB	BC	CA	3Ø	AT	SIZE OF WIRES	CONDUITS
1	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000	4.35				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
2	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000	4.35				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
3	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000			4.35		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
4	8-LIGHTING FIXTURES 4-CEILING FAN	230	1,000			4.35		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
5	12-LIGHTING FIXTURES	230	600		2.61			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
6	6-LIGHTING FIXTURES	230	450		1.96			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	15 PVC MOULDING
7	4-CONVENIENCE OUTLETS	230	720	3.13				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
8	4-CONVENIENCE OUTLETS	230	720	3.13				20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
9	4-CONVENIENCE OUTLETS	230	720			3.13		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
10	4-CONVENIENCE OUTLETS	230	720			3.13		20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
11	OTHER LOADS	230	1,500		6.52			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
12	OTHER LOADS	230	1,500		6.52			20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	20mmØ PVC PIPE
13	SPARE	230	—					20	—	—
14	SPARE	230	—					20	—	—
			10,870	14.96	17.61	14.96				

COMPUTATION :

IT = 1.732 x 17.61 VA

IT = 30.50 AMPERES

OVER CURRENT PROTECTION
USE : 100AT, 3P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 3 - 30.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 40mmØ PVC PIPE/32mmØ IMC PIPE

SCALE : NTS

1 SCHEDULE OF LOADS

Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE : PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL LOCATION : BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY	DRAWN BY : DATE : CHECKED BY : SUBMITTED BY :	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO	RECOMMENDING APPROVAL: ENGR. ISAGANI R. VERZOSA , JR.	APPROVED BY : HON. MA. JOSEFINA G. BELMONTE	SHEET CONTENT SCHEDULE OF LOADS
						SHEET NO. EL-11 27/36

OEO2022_0084N

HB BUILDING

LPP - EXISTING (FOURTH FLOOR) - FOR REPLACEMENT

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	SB	AT	SIZE OF WIRES	SIZE OF CONDUITS
1	[illegible]-LIGHTING FIXTURES 4-CEILING FAN	230	1,000	4.35				30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
2	[illegible]-LIGHTING FIXTURES 4-CEILING FAN	230	1,000	4.35				30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
3	[illegible]-LIGHTING FIXTURES 4-CEILING FAN	230	1,000			4.35		30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
4	[illegible]-LIGHTING FIXTURES 4-CEILING FAN	230	1,000			4.35		30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
5	[illegible]-LIGHTING FIXTURES	230	[illegible]		1.96			30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
6	18-LIGHTING FIXTURES	230	[illegible]		3.17			30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
7	4-CONVENIENCE OUTLETS	230	720	3.13				30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
8	4-CONVENIENCE OUTLETS	230	720	3.13				30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
9	4-CONVENIENCE OUTLETS	230	720			3.13		30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
10	4-CONVENIENCE OUTLETS	230	720			3.13		30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
11	OTHER LOADS	230	1,500		6.52			30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
12	OTHER LOADS	230	1,500		6.52			30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
13	SPARE	230	—					30	—	—
14	SPARE	230	—					30	—	—
			[illegible]	14.95	17.17	11.96				

COMPUTATION :

IT = 1.732 x 17.17 VA

IT = 29.74 AMPERES

OVER CURRENT PROTECTION

USE : 100AT, 3P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :

USE : 3 - 30.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 40mmØ PVC PIPE/32mmØ IMC PIPE

SB 2 BUILDING

22-00173

EXISTING - MAIN DISTRIBUTION PANEL

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF WIRES	SIZE OF CONDUITS
1	LPP GROUND FLOOR	230	12,480	54.21	100	3-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	Ø 32mmØ IMC PIPE
2	LPP SECOND FLOOR	230	8,630	37.48	100	3-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	Ø 32mmØ IMC PIPE
3	LPP THIRD FLOOR	230	8,630	37.48	100	3-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	Ø 32mmØ IMC PIPE
4	LPP FOURTH FLOOR	230	8,630	37.48	100	3-30.0mm² THHN COPPER WIRE 1-8.0mm² TW GROUND WIRE	Ø 32mmØ IMC PIPE
			38,320	166.65			

COMPUTATION :

$IT = \frac{38,320 VA + [illegible]}{230 V}$

IT = 169.61 AMPERES

OVER CURRENT PROTECTION

USE : 400AT, 3P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :

USE : 3 - 250.0mm² THHN & 1-80.0mm² TW GROUND WIRE IN 100mmØ PVC PIPE/80mmØ IMC PIPE

COVERED COURT

EXISTING - MAIN DISTRIBUTION PANEL

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF WIRES	SIZE OF CONDUITS
1	8 - LIGHTING FIXTURES	230	400	1.74	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
2	8 - LIGHTING FIXTURES	230	300	1.30	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
3	8 - WALL FAN	230	800	3.41	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
4	4 - CONVENIENCE OUTLETS	230	720	3.13	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
5	4 - CONVENIENCE OUTLETS	230	720	3.13	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
6	OTHER LOADS	230	3,000	13.04	30	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 20mm PVC PIPE
			5,940	25.75			

COMPUTATION :

$IT = \frac{5,940 VA}{230 V}$

IT = 25.26 AMPERES

OVER CURRENT PROTECTION

USE : 40AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER

USE : 2 - 5.5mm² THHN & 1-3.5mm² TW GROUND WIRE IN 20mmØ PVC PIPE/20mmØ IMC PIPE

SB 2 BUILDING

PROPOSED MAIN DISTRIBUTION PANEL

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMPERE LOAD AB	AMPERE LOAD BC	AMPERE LOAD CA	3Ø	AT	SIZE OF WIRES	SIZE OF CONDUITS
1	LPP GROUND FLOOR	230	12,047	52.38				70	2-14.0mm² THHN COPPER WIRE 1-6.0mm² TW GROUND WIRE	Ø 20mmØ PVC PIPE
2	LPP SECOND FLOOR	230	7,205			30.74		70	2-14.0mm² THHN COPPER WIRE 1-6.0mm² TW GROUND WIRE	Ø 20mmØ PVC PIPE
3	LPP THIRD FLOOR	230	7,205			30.74		70	2-14.0mm² THHN COPPER WIRE 1-6.0mm² TW GROUND WIRE	Ø 20mmØ PVC PIPE
4	LPP FOURTH FLOOR	230	7,270		30.74			70	2-14.0mm² THHN COPPER WIRE 1-6.0mm² TW GROUND WIRE	Ø 20mmØ PVC PIPE
5	COVERED COURT	230	5,940		35.28			40	2-5.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	Ø 25mmØ IMC PIPE
6	SPARE	230	—					40	—	—
			39,259	52.35	51.00	61.48				

COMPUTATION :

IT = 1.732 X [61.48 A] + [5.25 X 12]

IT = 111.00 AMPERES

OVER CURRENT PROTECTION

USE : 150AT, 3P, 230V MOULDED CASE CIRCUIT BREAKER

MAIN FEEDER :

USE : 3 - 50.0mm² THHN & 1-14.0mm² TW GROUND WIRE IN 50mmØ IMC PIPE

1	SCHEDULE OF LOADS	SCALE : NTS

Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE: PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL LOCATION: BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY	DRAWN BY: DATE: CHECKED BY: REVISION NO.:	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO [illegible]	RECOMMENDING APPROVAL: ENGR. ISAGANI R. VERZOSA , JR. [illegible] CITY ENGINEERING DEPARTMENT	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE CITY MAYOR	SHEET CONTENT SCHEDULE OF LOADS	SHEET NO. EL-12 28 36

SB 2 BUILDING

LPP - EXISTING (GROUND FLOOR) - FOR REPLACEMENT

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	8-LIGHTING FIXTURES	230	400	1.74	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
2	8-LIGHTING FIXTURES	230	400	1.74	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
3	8-LIGHTING FIXTURES	230	400	1.74	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
4	8-LIGHTING FIXTURES	230	400	1.74	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
5	8-LIGHTING FIXTURES	230	400	1.74	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
6	10-LIGHTING FIXTURES	230	500	2.17	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
7	7-CONVENIENCE OUTLETS	230	1,260	5.48	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
8	7-CONVENIENCE OUTLETS	230	1,260	5.48	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
9	7-CONVENIENCE OUTLETS	230	1,260	5.48	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
10	5-CONVENIENCE OUTLETS	230	900	3.91	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
11	5-CONVENIENCE OUTLETS	230	900	3.91	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
12	3-CEILING FAN	230	806	3.91	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
13	3-CEILING FAN	230	806	3.91	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
14	1- AC/U	230	2,700	12	30	2-5.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 25mmø PVC PIPE
			12,948	52.35			

COMPUTATION :

$$IT = \frac{12,948\ VA + (0.25 * 2,700)}{230\ V}$$

IT = 65.35 AMPERES

OVER CURRENT PROTECTION
USE : 70AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 14.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 32mmØ PVC PIPE/25mmØ IMC PIPE

SB 2 BUILDING

LPP - EXISTING (SECOND-FOURTH FLOOR) FOR REPLACEMENT

22-00173

CKT. NO.	LOAD DESCRIPTION	VOLTS	VA	AMP.	AT	SIZE OF	
						WIRES	CONDUITS
1	8-LIGHTING FIXTURES	230	300	1.30	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
2	8-LIGHTING FIXTURES	230	300	1.30	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
3	8-LIGHTING FIXTURES	230	300	1.30	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
4	8-LIGHTING FIXTURES	230	300	1.30	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
5	7-LIGHTING FIXTURES	230	350	1.52	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
6	6-CONVENIENCE OUTLETS	230	1,080	4.70	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
7	6-CONVENIENCE OUTLETS	230	1,080	4.70	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
8	6-CONVENIENCE OUTLETS	230	1,080	4.70	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
9	6-CONVENIENCE OUTLETS	230	1,080	4.70	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
10	4-CEILING FAN	230	800	3.91	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
11	4-CEILING FAN	230	800	3.91	20	2-3.5mm² THHN COPPER WIRE 1-3.5mm² TW GROUND WIRE	in 20mmø PVC PIPE
12	SPARE	230	—	—	30	—	—
			7,070	30.74			

COMPUTATION :

$$IT = \frac{7,070\ VA}{230\ V}$$

IT = 30.74 AMPERES

OVER CURRENT PROTECTION
USE :70AT, 2P, 230V MOLDED CASE CIRCUIT BREAKER IN NEMA 1

MAIN FEEDER :
USE : 2 - 14.0mm² THHN & 1-8.0mm² TW GROUND WIRE IN 32mmØ PVC PIPE/25mmØ IMC PIPE

1 SCHEDULE OF LOADS

SCALE : NTS

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL

LOCATION :
BARANGAY SAN BARTOLOME, DISTRICT 6, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
DESIGN NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO

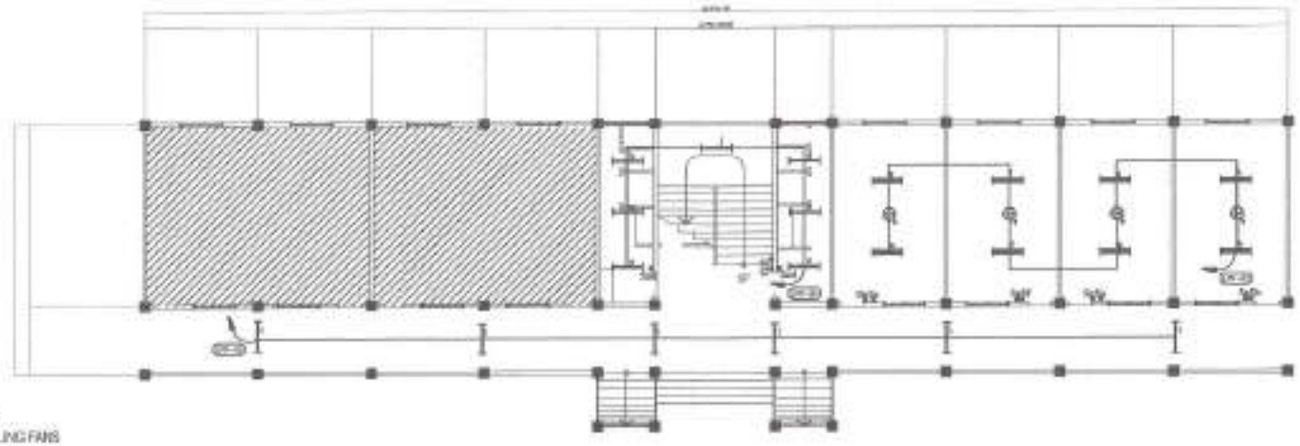
RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA , JR.

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE

SHEET CONTENT:
SCHEDULE OF LOADS

SHEET NO.
EL-13
29 36

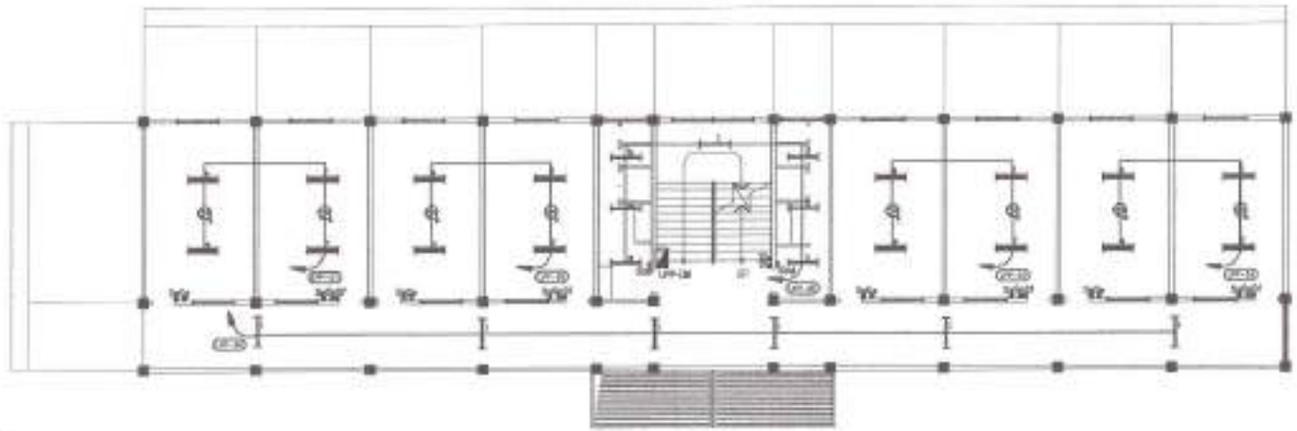
22-00173



NOTE:
1. REPLACEMENT OF LIGHTING FIXTURES
2. REPLACEMENT OF SWITCHES AND CEILING FANS
3. REWIRING

GROUND FLOOR LIGHTING LAYOUT (MATHAY BUILDING)

SCALE : 1:200 M



NOTE:
1. REPLACEMENT OF LIGHTING FIXTURES
2. REPLACEMENT OF SWITCHES AND CEILING FANS
3. REWIRING

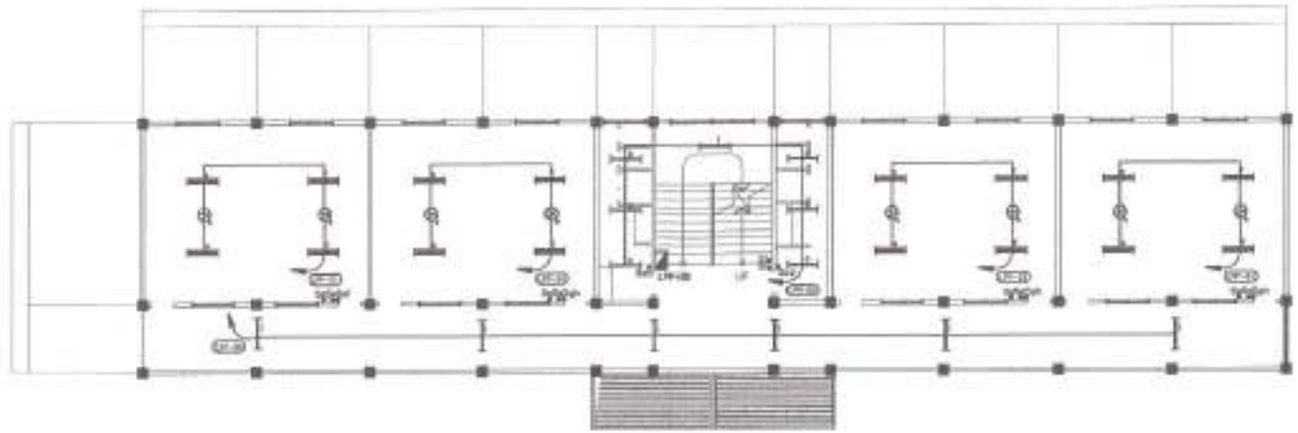
SECOND FLOOR LIGHTING LAYOUT (MATHAY BUILDING)

SCALE : 1:125 M

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

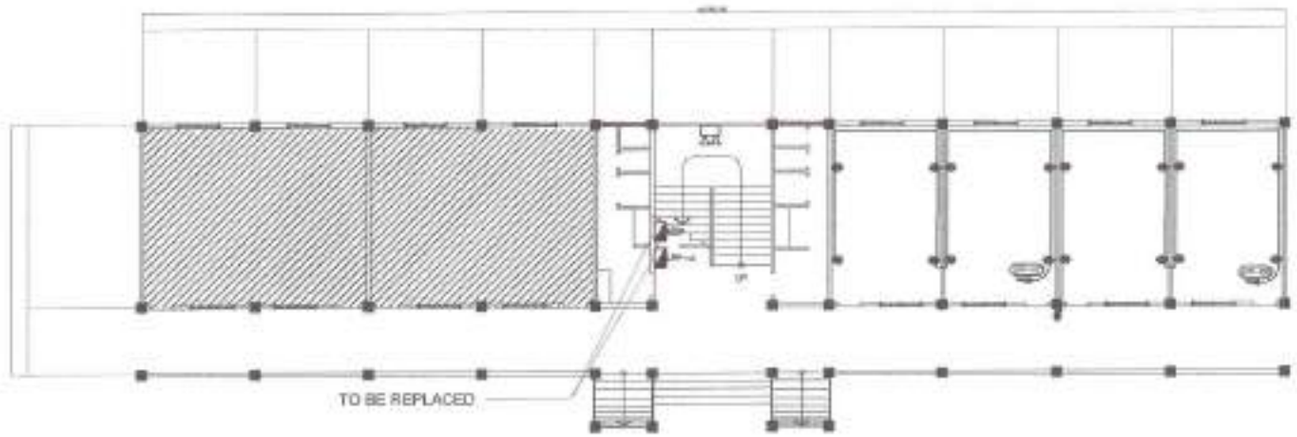
PROJECT TITLE:	DRAWN BY:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL	DATE:	ENGR. LEO S. DEL ROSARIO HEAD, PLANNING & PROGRAMMING DIVISION	ENGR. GAGANI R. VERZOSA, JR. OIC, CITY ENGINEERING DEPARTMENT	HON. MA. JOSEFINA G. BELMONTE CITY MAYOR	GROUND FLOOR LIGHTING LAYOUT (MATHAY BUILDING) SECOND FLOOR LIGHTING LAYOUT (MATHAY BUILDING)	EL-14 30 36
LOCATION: BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY	CHECKED BY:					
	REVISION NO.:					

22-00173



NOTE:
1. REPLACEMENT OF LIGHTING FIXTURES
2. REPLACEMENT OF SWITCHES AND CEILING FANS
3. REWIRING

1 THIRD FLOOR LIGHTING LAYOUT (MATHAY BUILDING) SCALE : 1:200 M



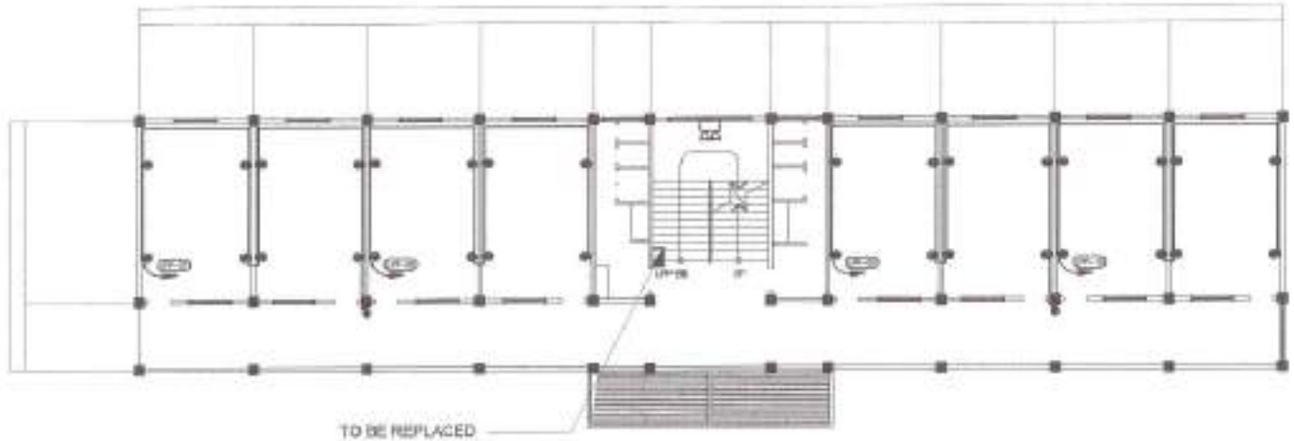
NOTE:
1. REPLACEMENT OF OUTLETS
2. REWIRING

2 GROUND FLOOR POWER LAYOUT (MATHAY BUILDING) SCALE : 1:125 M

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

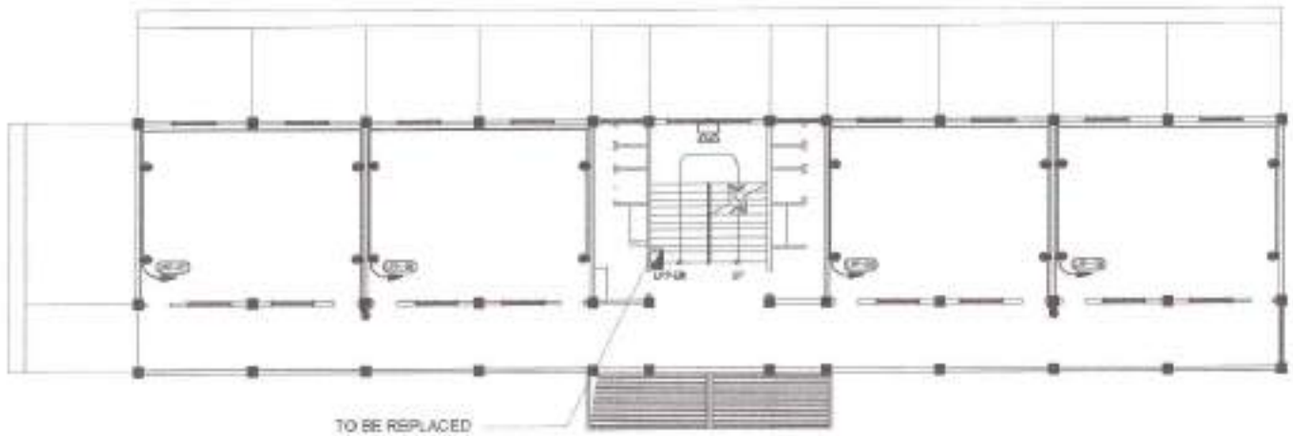
PROJECT TITLE:	DRAWN BY:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL	DATE:	ENGR. LEO S. DEL ROSARIO	ENGR. ISAGANI R. VERZOSA , JR.	HON. MA. JOSEFINA G. BELMONTE	THIRD FLOOR LIGHTING LAYOUT (MATHAY BUILDING) GROUND FLOOR POWER LAYOUT (MATHAY BUILDING)	EL-15 31 36
LOCATION: BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY	CHECKED BY:					
	REVISION NO.:					

22-00173



NOTE:
1. REPLACEMENT OF OUTLETS
2. REWIRING

1 SECOND FLOOR POWERLAYOUT (MATHAY BUILDING) SCALE : 1:200 M



NOTE:
1. REPLACEMENT OF OUTLETS
2. REWIRING

2 THIRD FLOOR POWER LAYOUT (MATHAY BUILDING) SCALE : 1:200 M

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL
LOCATION: BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING AND PROGRAMMING DIVISION

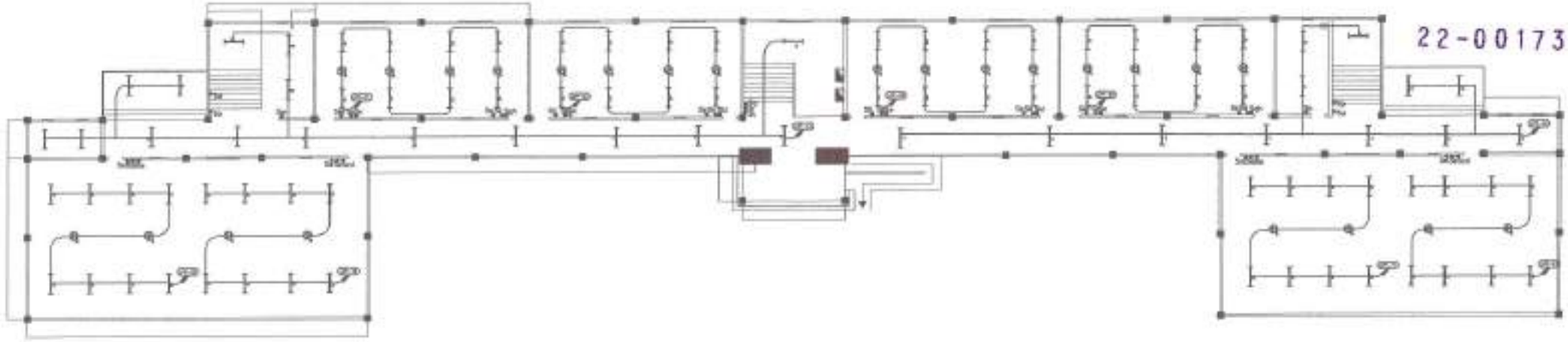
RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA , JR.
OIC, CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR

SHEET CONTENT:
SECOND FLOOR POWER LAYOUT (MATHAY BUILDING) THIRD FLOOR POWER LAYOUT TYPICAL (MATHAY BUILDING)

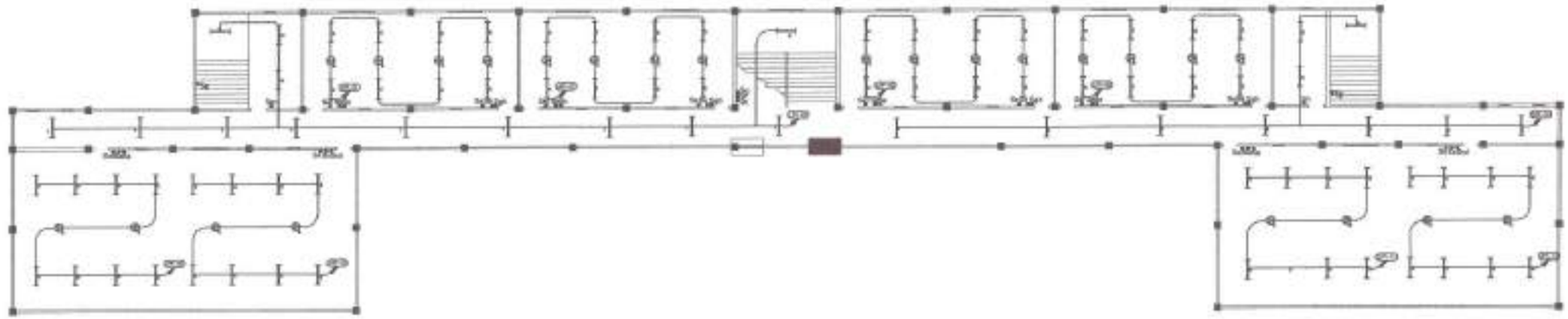
SHEET NO.:
EL-16
32 36

22-00173



NOTE :
1. REPLACEMENT OF LIGHTING FIXTURE , SWITCHES AND CEILING FANS
2. REWIRING

1 GROUND FLOOR LIGHTING LAYOUT (HB BUILDING) SCALE : 1:250 M



NOTE :
1. REPLACEMENT OF LIGHTING FIXTURE , SWITCHES AND CEILING FANS
2. REWIRING

2 SECOND FLOOR LIGHTING LAYOUT (HB BUILDING) SCALE : 1:250 M

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE :
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL

LOCATION :
BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY

DRAWN BY:
DATE:
CHECKED BY:
REVISION NO.:

SUBMITTED BY:
ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & PROGRAMMING DIVISION

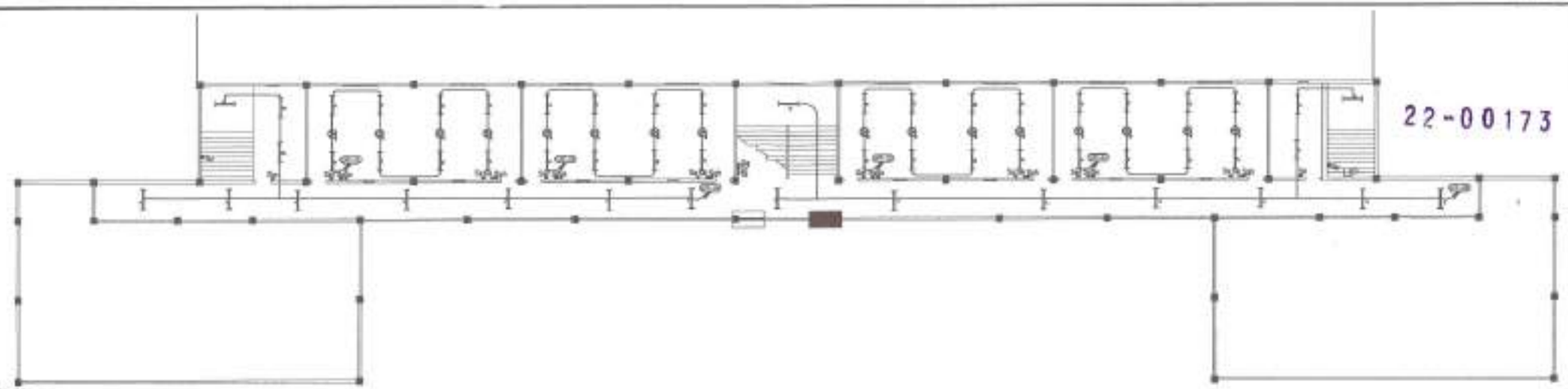
RECOMMENDING APPROVAL:
ENGR. ISAGANI R. VERZOSA , JR.
OIC-CITY ENGINEERING DEPARTMENT

APPROVED BY:
HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR

SHEET CONTENT:
GROUND FLOOR LIGHTING LAYOUT (HB BUILDING) SECOND FLOOR LIGHTING LAYOUT (HB BUILDING)

SHEET NO.:
EL-17
33 36

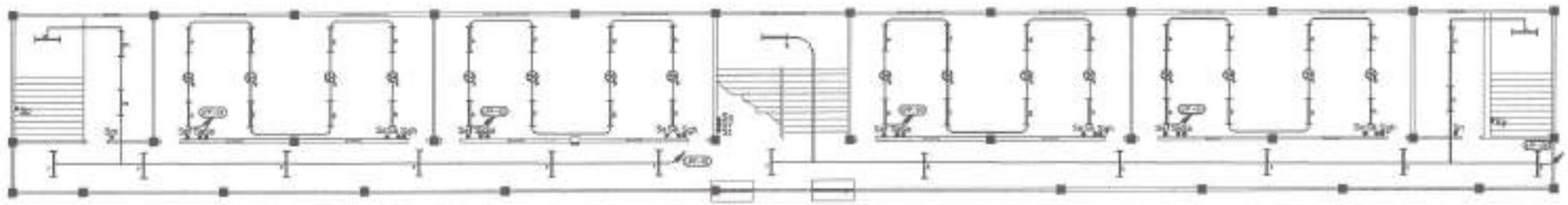
22-00173



NOTE :
1. REPLACEMENT OF LIGHTING FIXTURE , SWITCHES AND CEILING FANS
2. REWIRING

1 THIRD FLOOR LIGHTING LAYOUT (HB BUILDING)

SCALE : 1:250 M



NOTE :
1. REPLACEMENT OF LIGHTING FIXTURE , SWITCHES AND CEILING FANS
2. REWIRING

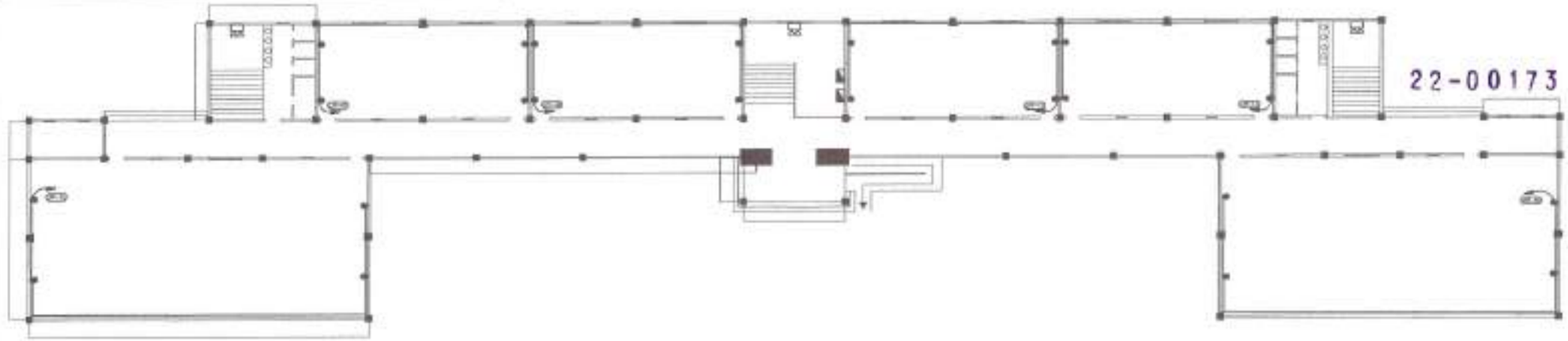
2 FOURTH FLOOR LIGHTING LAYOUT (HB BUILDING)

SCALE : 1:200 M

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

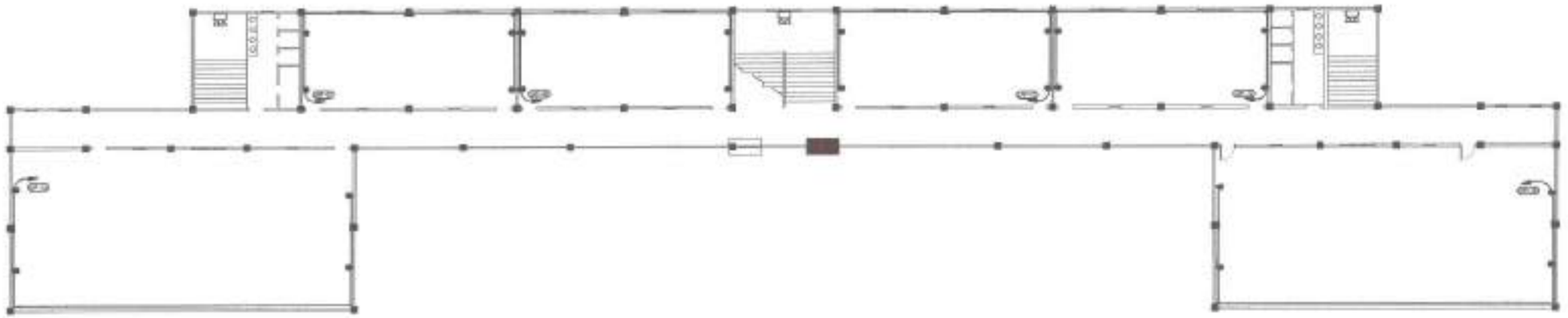
PROJECT TITLE:	DRAWN BY:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT / SHEET NO.
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL	DATE:	ENGR. LEO S. DEL ROSARIO	ENGR. ISAGANI R. VERZOSA , JR.	HON. MA. JOSEFINA G. BELMONTE	THIRD FLOOR LIGHTING LAYOUT (HB BUILDING) / FOURTH FLOOR LIGHTING LAYOUT (HB BUILDING)
LOCATION: BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY	CHECKED BY:				EL-18
	REVISION NO.:				34 | 36

22-00173



NOTE:
1. REPLACEMENT OF OUTLETS
2. REWIRING

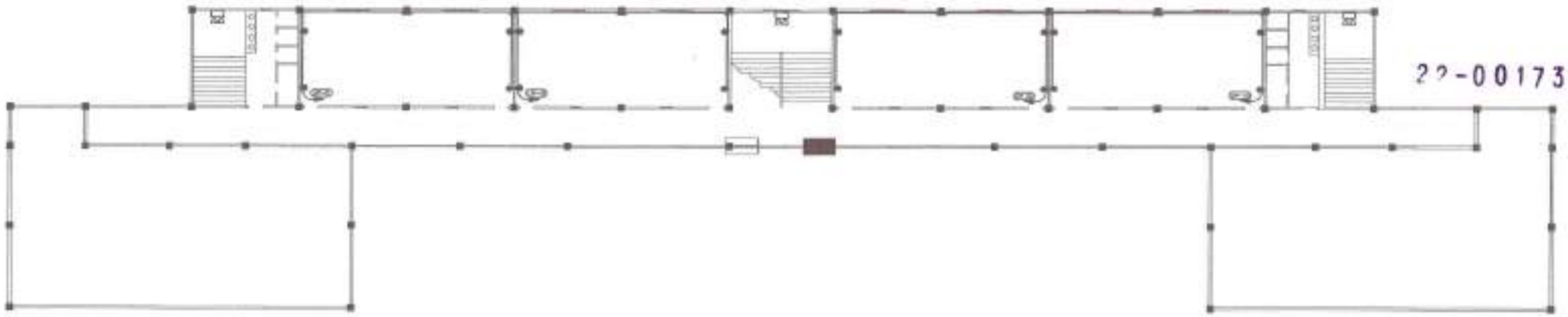
1 GROUND FLOOR POWER LAYOUT (HB BUILDING) SCALE : 1:250 M



NOTE:
1. REPLACEMENT OF OUTLETS
2. REWIRING

2 SECOND FLOOR POWER LAYOUT (HB BUILDING) SCALE : 1:250 M

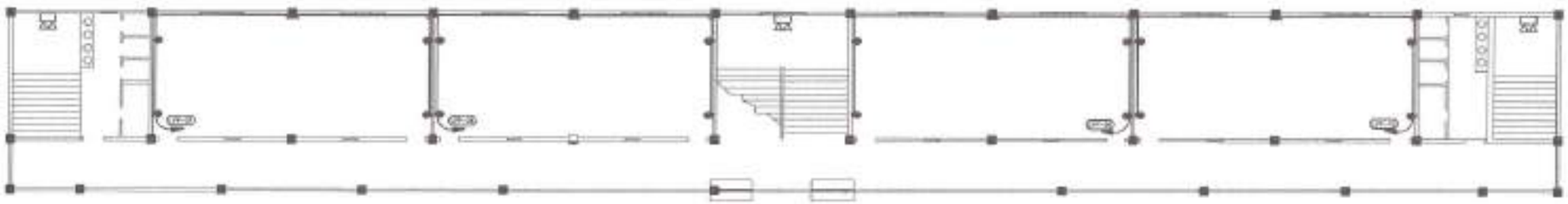
Republika ng Pilipinas Lungsod ng Quezon CITY ENGINEERING DEPARTMENT	PROJECT TITLE: PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL LOCATION: BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY	Drawn by: DATE: CHECKED BY: REVISION NO:	SUBMITTED BY: ENGR. LEO S. DEL ROSARIO	RECOMMENDING APPROVAL: ENGR. ISAGANI R. VERZOSA , JR.	APPROVED BY: HON. MA. JOSEFINA G. BELMONTE	SHEET CONTENT: GROUND FLOOR POWER LAYOUT (HB BUILDING) SECOND FLOOR POWER LAYOUT (HB BUILDING)	SHEET NO. EL-19 35 36



22-00173

NOTE:
1. REPLACEMENT OF OUTLETS
2. REWIRING

1 THIRD FLOOR LIGHTING LAYOUT (HB BUILDING) SCALE : 1:200 M



NOTE:
1. REPLACEMENT OF OUTLETS
2. REWIRING

2 FOURTH FLOOR LIGHTING LAYOUT (HB BUILDING) SCALE : 1:200 M

Republika ng Pilipinas
Lungsod ng Quezon
CITY ENGINEERING DEPARTMENT

PROJECT TITLE:	DRAWN BY:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL	DATE:	ENGR. LEO S. DEL ROSARIO	ENGR. ISAGANI R. VERZOSA , JR.	HON. MA. JOSEFINA G. BELMONTE	THIRD FLOOR POWER LAYOUT (HB BUILDING) FOURTH FLOOR POWER LAYOUT (HB BUILDING)	EL-20 36 36
LOCATION: BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY	CHECKED BY:					
	REVISION NO.:					

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

a. to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and

b. when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

Daywork Schedule

A Daywork Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Entity of the realism of rates quoted by the Bidders, the Daywork Schedule should normally comprise the following:

a. A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.

b. Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

Signature Box

A signature box shall be added at the bottom of each page of the Bill of Quantities where the authorized representative of the Bidder shall affix his signature. Failure of the authorized representative to sign each and every page of the Bill of Quantities shall be a cause for rejection of his bid.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final documents.

PROJECT TITLE: **PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL SCHOOL**

LOCATION : BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY

PROJECT NO. : 23 - 00049

DURATION : One Hundred Eighty (180)Calendar Days

BREAKDOWN OF COST

Item Code	Item of Work (Description)	MATERIALS COST	LABOR COST	INDIRECT COST	AGGREGATE COST
GR	GENERAL REQUIREMENTS	₱	₱	₱	₱
OGR	OTHER GENERAL REQUIREMENTS				
I	UPGRADING OF MAIN SERVICE ENTRANCE				
II	MATHAY BUILDING				
III	HB BUILDING				
IV	NEW BUILDING				
V	SB 2 BUILDING				
VI	SB 1 BUILDING				
VII	COVERED COURT				
VIII	SIDEWALK				
IX	GROUNDS PLUMBING AND STORM DRAIN SYSTEM				

TOTAL COST ₱ _____

LUMP SUM BID IN WORDS : _____

_____

Contractor : _____

BILL OF QUANTITIES
(Building Construction/Rehabilitation Project)

PROJECT TITLE : PROPOSED REHABILITATION OF SAN BARTOLOME HIGH SCHOOL

LOCATION : BARANGAY SAN BARTOLOME, DISTRICT 5, QUEZON CITY

PROJECT NO. : 23 - 00049

DURATION : One Hundred Eighty (180) Calendar Days

SCOPE OF WORKS :

GR	**General Requirements** include billboard(s).
OGR	**Other General Requirements (Non - O.C.M.)** include, but not limited to:
1	Temporary water system including water meter/sub-meter and connections.
2	Temporary electrical system including electric meter/sub-meter and connections.
3	Clearing, hauling and disposal of construction materials and debris.
4	Scaffolding for general use (rental).
I	**Upgrading of Main Service Entrance**
I-SW	Site Works
1	Demolition/removal works.
I-EW	Electrical Works:
1	Installation of roughing-ins and wirings.
2	Installation of system devices, components, panelboards, and accessories.
I-UTI	Utility and Ancillary Works
1	Installation of ground well/pit
II	**Mathay Building**
II-SW	Site Works
1	Demolition/removal works.
2	Clearing and cleaning for painting preparation.
II-CWS	Civil / Structural Works:
1	Masonry works include laying of CHB, restoration of concrete and plastering works.
2	Roofing works include installation of G.I. Gutter
II-AW	Architectural Works (Finishes as indicated in the plans):
1	Ceiling works include installation of ceilings with framings.
2	Painting works include painting for exterior and interior walls, metal surfaces and ceilings.
3	Fabricated materials include installation of doors and windows.
II-EW	Electrical Works:
1	Installation of roughing-ins and wirings.
2	Installation of system devices, energy efficient lighting fixtures and components, panelboards, and accessories.
III	**HB Building**
III-SW	Site Works
1	Demolition/removal works.
2	Clearing and cleaning for painting preparation.
III-CWS	Civil / Structural Works:
1	Masonry works include restoration of concrete pathwalk and plastering works.
2	Roofing works include installation of roofing and bended materials.

III-AW Architectural Works (Finishes as indicated in the plans):

1 Floor finishes include installation of floor tiles

2 Wall Finishes include installation of wall tiles and cladding

3 Ceiling works include installation of ceilings with framings.

4 Painting works include painting for exterior and interior walls, metal surfaces and ceilings.

III-S/PW	Sanitary/Plumbing Works:
1	Installation of roughing-ins, valves, appurtenances and supports.
2	Installation of water efficient sanitary/plumbing fixtures and accessories.
III-EW	Electrical Works:
1	Installation of roughing-ins and wirings.
2	Installation of system devices, energy efficient lighting fixtures and components, panelboards, and accessories.
III-UTI	Utility and Ancillary Works
1	Installation of hand hole and construction of pathwalk.
IV	**New Building**
IV-AW	Architectural Works (Finishes as indicated in the plans):
1	Painting works include painting for exterior and interior walls, metal surfaces and ceilings.
V	**SB 2 Building**
V-SW	Site Works
1	Demolition/removal works.
V-CWS	Civil / Structural Works:
1	Masonry works include restoration of concrete and plastering works.
V-AW	Architectural Works (Finishes as indicated in the plans):
1	Painting works include painting for interior walls.
V-EW	Electrical Works:
1	Installation of roughing-ins and wirings.
2	Installation of system devices, components, panelboards, and accessories.
VI	**SB 1 BUILDING**
VI-SW	Site Works
1	Demolition/removal works.
VI-CWS	Civil / Structural Works:
1	Masonry works include restoration of concrete and plastering works.
VI-AW	Architectural Works (Finishes as indicated in the plans):
1	Painting works include painting for interior walls.
VI-EW	Electrical Works:
1	Installation of roughing-ins and wirings.
2	Installation of system devices, components, panelboards, and accessories.
VII	**COVERED COURT**
VII-EW	Electrical Works:
1	Installation of roughing-ins and wirings.
2	Installation of system devices, components, panelboards, and accessories.
VIII	**SIDEWALK**
	Land Development Works
1	Concrete works include concreting, installation of reinforcing steel bars, and formworks.
IX	**GROUNDS PLUMBING AND STORM DRAIN SYSTEM**
IX-SW	Site Works
1	Layout and Staking
2	Site Clearing and Preparation
3	Excavation works
IX-CWS	Civil / Structural Works:
1	Masonry Works include restoration of concrete.
IX-S/PW	Sanitary/Plumbing Works:

1	Installation of roughing-ins, valves, appurtenances and supports.
IX-EW	Electrical Works:
1	Installation of roughing-ins and wirings.
2	Installation of system devices, components, panelboards, and accessories.
IX-UTI	Utility and Ancillary Works
1	Construction of 2 layer line canal with steel grating
2	Installation of booster pumps
3	Installation of water tanks and pressure tanks.

O **Others (included in O.C.M)**

1 Provision of construction, health and safety such as safety gears, medicine kit, etc.

2 Preparation of shop drawings, as necessary.

3 Preparation of as-built plans (signed and sealed by the respective professional(s)).

4 Testing and commissioning works shall be performed as per standard procedures.

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
GR	**GENERAL REQUIREMENTS**				
SPL7	Billboard (1.20m x 2.40m in Plywood)	1	piece	₱	₱
				MATERIALS COST GR	₱
				LABOR COST GR	
				DIRECT COST GR	₱
OGR	**OTHER GENERAL REQUIREMENTS**				
OGR0301	Temporary Water Facility	1	unit	₱	₱
OGR0302	Temporary Electrical Facility	1	unit		
				Subtotal OGR02c - OGR0302	
OGR01	Clearing, Hauling and Disposal of Construction Materials and Debris	143	t.l.	₱	₱
OGR05	Scaffolding (Rental)	3,181	sq.m.		
				Subtotal OGR01 - OGR05	
				MATERIALS COST OGR	₱
				LABOR COST OGR	
				DIRECT COST OGR	₱
I	**UPGRADING OF MAIN SERVICE ENTRANCE**				
I-SW	Site Works				
DEMV004	Demolition of Existing Structure (Wall)	2	cu.m	₱	₱
				Direct Cost I-SW	₱
I-EW	Electrical Works				
EW01	Pipes				
EW0102	25mmØ PVC Pipe	1	piece	₱	₱
EW0117	80mmØ IMC Pipe	2	piece		
EW0118	90mmØ IMC Pipe	3	piece		
EW05	Fittings and Accessories				
EW05011	25mmØ PVC Adaptor	2	piece		
EW05023	25mmØ PVC Locknut and Bushing	2	pair		
EW05038	80mmØ IMC Elbow	3	piece		
EW05039	90mmØ IMC Elbow	3	piece		
EW05048	80mmØ IMC Locknut and Bushing	4	pair		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
EW05049	90mmØ IMC Locknut and Bushing	6	pair		
EW05145	125mm² Ø Solderless Connector with Two-Bolt	8	pair		
EW05149	250mm² Ø Solderless Connector with Two-Bolt	24	pair		
EW05160	80mmØ Weatherproof Entrance Cap,	2	piece		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Diecast Type				
EW05161	90mmØ Weatherproof Entrance Cap, Diecast Type	3	piece		
EW05164	Secondary Rack with 3-Spool, Heavy Duty	19	assy		
EW12	Grounding System				
EW1202	20mm Ø x 3000mm Grounding Rod with Ground Clamp	3	set		
EW1203	Oval Eyebolt with Nut	1	piece		
EW1216	Powder for GT Connection	3	tube		
EW09	Wires and Cables				
EW0901	THHN Wires				
EW090114	150mm² THHN Wire	30	l.m.		
EW090117	250mm² THHN Wire	45	l.m.		
EW0902	THW Wires				
EW090213	125mm² THW Wire	650	l.m.		
EW090217	250mm² THW Wire	195	l.m.		
EW0903	TW Wires				
EW090307b	30mm² TW Wire	260	l.m.		
EW090310	60mm² TW Wire	125	l.m.		
EW0904	Bare Copper Wires (Stranded)				
EW090409	50mm² Bare Copper Wire	15	l.m.		
EW13	Panel board				
EW 1301	Main Breaker (Bolt-On)				
ASSY	Main: 800AT, 3P, 230V, MCCB 1-150AT, 3P, 230V 1-400AT, 3P, 230V 1-600AT, 3P, 230V Enclosure: NEMA 3R with Ground Terminals and Terminal Lugs	1	assy		
EW16	Pipe Hangers and Supports				
EW1602	Vertical Layout of Pipe	15	l.m.		
MC	Miscellaneous and Consumables				
MC/G	(Common Items)				
MC/G06	Hacksaw Blade	3	piece		
MC/G13	All Around Sealant	2	tube		
MC/G18	Waste Cloth	5	kg		
MC/G37	G.I. Tie Wire, Ga.16 (for Wire / Cable Pulling)	3	kg		
MC/E	(Electrical Works)				
MC/E01	Electrical Tape	10	roll		
MC/E04	Rubber Tape	7	roll		
MC/E12	16mmØ Nylon Rope	50	l.m.		
				Materials Cost I-EW	₱
				Labor Cost I-EW	
				Direct Cost I-EW	₱

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
UTI	Utility and Ancillary Works				
SW	Site Works				
106	Excavation	1	cu.m.	₱	₱
				Subtotal I - UTI - SW (Labor)	₱

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
UT010302	Earth Pit 0.30 x 0.30 x 0.30	1	unit	₱	₱
				Materials Cost I-UT010302	₱
				Labor Cost I-UT010302	
				Subtotal I-UT010302	₱
		`			
				Materials Cost I-UTI	₱
				Labor Cost I-UTI	
				Direct Cost I-UTI	₱
				MATERIALS COST I	₱
				LABOR COST I	
				DIRECT COST I	₱
II	**MATHAY BUILDING**				
II-SW	Site Works				
DEMV001	Chipping of Concrete Wall (Electrical Works)	106	cu.m.	₱	₱
DEMV010	Removal of Existing Door Jamb and Door Including Hardware and Accessories	46	set		
DEMV015	Removal of Existing Ceiling Including Framing	378	sq.m.		
DEMV027	Removal of Existing Window Panel Including Hardware and Accessories	195	sq.m.		
SW03	Clearing and Cleaning for Painting Preparation	4,254	sq.m.		
				Direct Cost II-SW (Labor)	₱
II-CWS	CIVIL / STRUCTURAL WORKS				
CWSMA	Masonry Works				
CWSMA04	150mm CHB Wall Laying, including Mortar, Reinforcement and Two-Face Plastering	21	sq.m.	₱	₱
CWSMA11	Restoration of Concrete (Electrical Works)	166	sq.m.		
CWSPRW	Roofing Works				
CWSPRW0706	Pre-painted G.I. gutter	63	l.m.		
				Materials Cost II-CWS	₱
				Labor Cost II-CWS	
				Direct Cost II-CWS	₱
II-AW	Architectural Works				
AW02	Ceiling Finishes				
AW0202	12mm Thick Moisture Resistant Gypsum Board Including Metal Framing	378	sq.m.	₱	₱
AWP	Painting Works				
AWP0101	Flat Latex Paint Finish (Interior Walls)	2,404	sq.m.		
AWP0102	Elastomeric Paint Finish (Exterior Walls)	733	sq.m.		
AWP0105	Flat Latex Paint Finish (Ceiling)	1,124	sq.m.		
AWP0106	Epoxy Enamel Paint Finish (Steel Surfaces)	208	sq.m.		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
				Materials Cost II AW02 - AWP	₱
				Labor Cost II AW02 - AWP	
				Subtotal II AW02 - AWP	₱

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
AW01	Fabricated Materials				
AWD	Installation of Doors				
AWD010238	D1 - (0.90m x 2.10m) Panel Door with Transom	22	set	₱	₱
AWD010236	D2 - (0.60m x 1.8m) PVC Door	10	set		
AWD010237	D3 - (1.2m x 1.8m) PVC Door Double Leaf	6	set		
AWW	Installation of Windows				
AWW06	W1 - (2.7m x 1.8m) Jalousie Window	107	sq.m		
AWW06	W2 - (2.0m x 0.5m) Jalousie Window	8	sq.m		
				Materials Cost II-AW01	₱
				Labor Cost II-AW01	
				Subtotal II- AW01	₱
				Materials Cost II-AW	₱
				Labor Cost II-AW	
				Direct Cost II-AW	₱
II-EW	Electrical Works				
EW01	Pipes				
EW0101	20mmØ PVC Pipe	384	piece	₱	₱
EW0104	40mmØ PVC Pipe	8	piece		
EW0108	90mmØ PVC Pipe	10	piece		
EW0116	65mmØ IMC Pipe	1	piece		
EW04	Mouldings				
EW0403	16mm x 16mm x 2.44m Rectangular PVC Moulding	625	piece		
EW05	Fittings and Accessories				
EW05001	20mmØ PVC Elbow	182	piece		
EW05004	40mmØ PVC Elbow	5	piece		
EW05007	80mmØ PVC Elbow	6	piece		
EW05010	20mmØ PVC Adaptor	421	piece		
EW05013	40mmØ PVC Adaptor	9	piece		
EW05016	80mmØ PVC Adaptor	3	piece		
EW05022	20mmØ PVC Locknut and Bushing	421	pair		
EW05025	40mmØ PVC Locknut and Bushing	9	pair		
EW05028	80mmØ PVC Locknut and Bushing	3	pair		
EW05037	65mmØ IMC Elbow	2	piece		
EW05047	65mmØ IMC Locknut and Bushing	3	pair		
EW05057	65mmØ IMC Coupling	3	piece		
EW05145	125mm² Ø Solderless Connector with Two-Bolt	2	pair		
EW05159	65mmØ Weatherproof Entrance Cap, Diecast Type	1	piece		
EW06	Boxes and Fabricated Pullbox				
EW0601	50mm x 100mm PVC Utility Box	130	piece		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
EW0602	100mm x 100mm PVC Junction Box with Cover	80	piece		
EW09	Wires and Cables				
EW0901	THHN Wires				
EW090102a	3.5mm² THHN Wire	42	roll		
EW090107b	30mm² THHN Wire	48	l.m.		
EW090112	100mm² THHN Wire	60	l.m.		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
EW0903	TW Wires				
EW090302a	3.5mm² TW Wire	21	roll		
EW090304b	8.0mm² TW Wire	24	l.m.		
EW090307b	30mm² TW Wire	30	l.m.		
EW10	Wiring Devices and Other Fixtures				
EW1001	Convenience Outlet with Grounding, One-Gang	3	piece		
EW1002	Convenience Outlet with Grounding, Two-Gang	70	piece		
EW1015	Switch with Plate and Cover, One-Gang	17	piece		
EW1016	Switch with Plate and Cover, Two-Gang	10	piece		
EW11	Lighting fixtures (Energy Efficient)				
EW11059	Emergency Light, Twinhead	3	piece		
EW11067	Surface Mounted Box Type Lighting Fixture with 1-18W Daylight LED Tube	33	set		
EW11068	Surface Mounted Box Type Lighting Fixture with 2-18W Daylight LED Tube	40	set		
EW11140	Orbit Fan with Selector Switch	20	set		
EW12	Grounding System				
EW1201	16mm Ø x 3000mm Grounding Rod (Copper Clod) with Ground Clamp	1	piece		
EW1203	Oval Eyebolt	1	piece		
EW13	Panel Board				
ASSY	Main: 225AT, 2P, 230V Branches: 3 - 100 AT, 2P, 230V 1 - 50 AT, 2P, 230V Enclosure: NEMA 3R with Ground Terminals and Terminal Lugs	1	assy		
ASSY	LPP A Main: 100AT, 2P, 230V Branches: 8 - 20 AT, 2P, 230V 4 - 30 AT, 2P, 230V , Spare Enclosure: NEMA 3R with Ground Terminals and Terminal Lugs	1	assy		
ASSY	LPP B and C Main: 100AT, 2P, 230V Branches: 10 - 20 AT, 2P, 230V 2 - 30 AT, 2P, 230V , Spare Enclosure: NEMA 3R with Ground Terminals and Terminal Lugs	2	assy		
EW16	Pipe Hangers and Supports				
EW1601	Horizontal Layout of Pipe	500	l.m.		
EW1602	Vertical Layout of Pipe	10	l.m.		
MC	Miscellaneous and Consumables				
MC/G	(Common Items)				
MC/G06	Hacksaw Blade	3	piece		
MC/G13	All Around Sealant	2	tube		
MC/G14	Solvent Cement, 400cc	18	can		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
MC/G17	Torch with Butane	2	piece		
MC/G18	Waste Cloth	7	kg		
MC/G37	G.I. Tie Wire, Ga.16 (for Wire / Cable Pulling)	6	kg		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
MC/E	(Electrical Works)				
MC/E01	Electrical Tape	10	roll		
MC/E03	Pulling Lubricant	7	can		
MC/E04	Rubber Tape	10	roll		
				Materials Cost II-EW	₱
				Labor Cost II-EW	
				Direct Cost II-EW	₱
				MATERIAL COST II	₱
				LABOR COST II	
				DIRECT COST II	₱
III	**HB BUILDING**				
III-SW	Site Works				
DEMV001	Chipping of Concrete Wall (Electrical Works)	15	cu.m	₱	₱
DEMV015	Removal of Existing Ceiling Including Framing	617	sq.m.		
DEMV021	Removal of Existing Floor Tiles	1,268	sq.m.		
DEMV021	Removal of Existing Wall Tiles	1,229	sq.m.		
DEMV025a	Removal of Existing Polycarbonate Roof	51	sq.m.		
DEMV025a	Removal of Existing Rib Type Roof	683	sq.m.		
DEMV004	Removal of Existing Lab Desks	208	sq.m.		
SW03	Clearing and Cleaning for Painting Preparation	10,695	sq.m.		
				Direct Cost III-SW (Labor)	₱
III-CWS	Civil / Structural Works				
CWSMA	Masonry Works				
CWSMA11	Floor Topping For Preparation of Tiles Works	1,356	sq.m.	₱	₱
CWSMA11	Restoration of Concrete (Electrical Works)	305	sq.m		
CWSPRW	Roofing Works				
CWSPRW0701	Pre-Painted G.I. Rib Type Long Span Metal Roofing Sheet, 045mm Thick GA 15 with Connection Accessories	717	sq.m.		
CWSPRW0706	Pre-Painted G.I. gutter	51	l.m.		
CWSPRW0308	Solid Wall, 6.00 mm Thick with Connection Accessories (Any Color)	54	sq.m.		
MC	Miscellaneous and Consumables				
MC/G13	All Purpose Sealant	5	tube		
				Materials Cost III-CWS	₱
				Labor Cost III-CWS	
				Direct Cost III-CWS	₱
III-AW	Architectural Works				
AW04	Floor Finishes				

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
AW0402	400mm x 400mm Non-Skid Homogeneous Floor Tiles	1,331	sq.m.	₱	₱
AW03	Wall Finishes				
AW0338	400mm x 600mm Homogenous Wall Tiles	1,291	sq.m.		
AWCM0301	4mm thick Aluminum Composite Panel Cladding	81	sq.m.		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
AW02	Ceiling Finishes				
AWCM0101	Acoustic Board, 2' x 2' x 18mm	648	sq.m.		
AWP	Painting Works				
AWP0101	Flat Latex Paint Finish (Interior Walls)	4,308	sq.m.		
AWP0102	Elastomeric Paint Finish (Exterior Walls)	3,314	sq.m.		
AWP0105	Flat Latex Paint Finish (Ceiling)	3,608	sq.m.		
				Materials Cost III-AW	₱
				Labor Cost III-AW	
				Direct Cost III-AW	₱
III-S/PW	Sanitary Works				
S/PW01	Sewer Line / Storm Drainage System				
S/PW0101	Roughing-Ins				
S/PW010102	50mmØ P-Trap	44	piece	₱	₱
S/PW010103	75mmØ P-Trap	32	piece		
S/PW02	Waterline System				
S/PW020102	PPR Pipe				
S/PW02010201	20mmØ PPR Pipe	3	piece		
S/PW02010202	32mmØ PPR Pipe	21	piece		
S/PW02010205	50mmØ PPR Pipe	26	piece		
S/PW02010215	50mmØ x 50mmØ Tee Equal	3	piece		
S/PW02010221	32mmØ x 20mmØ Unequal Tee	60	piece		
S/PW02010228	50mmØ x 32mmØ Unequal Tee	14	piece		
S/PW02010259	32mmØ 90° Elbow	24	piece		
S/PW02010261	50mmØ 90° Elbow	3	piece		
S/PW02010274	20mmØ End Cap	76	piece		
S/PW02010286	20mmØ Coupling	3	piece		
S/PW02010288	32mmØ Coupling	21	piece		
S/PW02010290	50mmØ Coupling	26	piece		
S/PW03	Sanitary Fixtures, Fittings and Accessories				
S/PW0301	Bidet, Heavy-Duty, Stainless with Complete Accessories (Water Efficient)	32	unit		
S/PW0308	Lavatory, Counter Top	32	set		
S/PW0311	Lavatory Faucet, Lever Type, Stainless, Heavy Duty (Water Efficient)	32	set		
S/PW0321	Urinal, Flush Valve (Water Efficient)	12	set		
S/PW0327	Water Closet, Tank Type (Water Efficient)	32	set		
S/PW04	Comfort Room Accessories				
S/PW0406	Metal Door Hook	32	piece		
S/PW05	Plumbing Fixtures, Fittings and Accessories				
S/PW0501	Angle Valve, Single-Way Stainless Steel	32	piece		
S/PW0502	Angle Valve, Two-Way Stainless Steel	32	piece		
S/PW0503	Flexible Hose, Stainless	64	piece		
S/PW07	Pipe Hangers and Supports				

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
S/PW0705	For Horizontal Pipes Less Than 50mmØ (2m interval)	96	l.m.		
S/PW0706	For Horizontal Pipes Greater Than 50mmØ (1m interval)	200	l.m.		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
MC	Miscellaneous				
MC/G06	Hacksaw Blade	5	piece		
MC/G15	Teflon Tape	13	roll		
MC/G18	Waste Cloth	5	kg		
MC/G26	15mmØ Concrete Drill Bit	19	piece		
				Materials Cost III-S/PW	₱
				Labor Cost III-S/PW	
				Direct Cost III-S/PW	₱
III-EW	Electrical Works				
EW01	Pipes				
EW0101	20mmØ PVC Pipe	950	piece	₱	₱
EW0104	40mmØ PVC Pipe	15	piece		
EW0106	65mmØ PVC Pipe	63	piece		
EW0115	50mmØ IMC Pipe	1	piece		
EW040	Mouldings				
EW0403	16mm x 16mm x 2.44m Rectangular PVC Moulding	1,898	piece		
EW05	Fittings and Accessories				
EW05001	20mmØ PVC Elbow	120	piece		
EW05004	40mmØ PVC Elbow	4	piece		
EW05006	65mmØ PVC Elbow	5	piece		
EW05010	20mmØ PVC Adaptor	535	piece		
EW05013	40mmØ PVC Adaptor	8	piece		
EW05015	65mmØ PVC Adaptor	2	piece		
EW05022	20mmØ PVC Locknut and Bushing	535	pair		
EW05025	40mmØ PVC Locknut and Bushing	8	pair		
EW05027	65mmØ PVC Locknut and Bushing	2	pair		
EW05046	50mmØ IMC Locknut and Bushing	2	pair		
EW05149	250mm² Ø Solderless Connector with Two-Bolt	4	pair		
EW05056	50mmØ IMC Coupling	2	piece		
EW05158	50mmØ Weatherproof Entrance Cap	1	piece		
EW06	Boxes and Favricated Pullbox				
EW0601	50mm x 100mm PVC Utility Box	250	piece		
EW0602	100mm x 100mm PVC Junction Box with Cover	285	piece		
EW0610	Fabricated Pull Box, 12" x 12" x 8" @ 0.16 (0.30m x 0.30m x 0.20m)	1	piece		
EW09	Wires and Cables				
EW0901	THHN Wires				
EW090102a	3.5mm² THHN Wire	105	roll		
EW090107b	30mm² THHN Wire	135	l.m.		
EW090111	80mm² THHN Wire	585	l.m.		
EW0903	TW Wires				
EW090302a	3.5mm² TW Wire	20	roll		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
EW090304b	8mm² TW Wire	45	l.m.		
EW090306b	22mm² TW Wire	195	l.m.		
EW13	Panel Board				
ASSY	MDP Main: 200AT, 3P, 230V	1	assy		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Branches: 4 - 100 AT, 3P, 230V 1 - 50 AT, 2P, 230V 1 - 60 AT, 2P, 230V 2 - 30 AT, 2P, 230V Enclosure: NEMA 3R with Ground Terminals and Terminal Lugs				
ASSY	LPP A and B Main: 100AT, 3P, 230V Branches: 16 - 20 AT, 2P, 230V 2 - 30 AT, 2P, 230V , Spare Enclosure: NEMA 3R with Ground Terminals and Terminal Lugs	2	assy		
ASSY	LPP C and D Main: 100AT, 3P, 230V Branches: 12 - 20 AT, 2P, 230V 2 - 30 AT, 2P, 230V , Spare Enclosure: NEMA 3R with Ground Terminals and Terminal Lugs	2	assy		
EW10	Wiring Devices and Other Fixtures				
EW1001	Convenience Outlet with Grounding, One-Gang	12	piece		
EW1002	Convenience Outlet with Grounding, Two-Gang	80	piece		
EW1015	Switch with Plate and Cover, One-Gang	30	piece		
EW1016	Switch with Plate and Cover, Two-Gang	40	piece		
EW11	Lighting Fixtures (Energy Efficient)				
EW11140	Orbit Fan with Selector Switch	80	set		
EW11059	Emergency Light, Twinhead	12	piece		
EW11067	Surface Mounted Box Type Lighting Fixture with 1-18W Daylight LED Tube	283	set		
EW16	Pipe Hangers and Supports				
EW1601	Horizontal Layout of Pipe	1,500	l.m.		
EW1602	Vertical Layout of Pipe	5	l.m.		
MC	Miscellaneous and Consumables				
MC/G06	Hacksaw Blade	3	roll		
MC/G13	All Around Sealant	4	tube		
MC/G14	Solvent Cement, 400cc	50	can		
MC/G17	Torch with Butane	6	set		
MC/G18	Rugs	5	kg		
MC/G37	G.I. Tie Wire, Ga.16 (for Wire / Cable Pulling)	3	kg		
MC/E01	Electrical Tape	10	roll		
MC/E03	Pulling Lubricant	15	gal		
MC/E04	Rubber Tape	7	roll		
				Materials Cost III-EW	₱
				Labor Cost III-EW	
				Direct Cost III-EW	₱

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
III-UTI	Utility and Ancillary Works				
III-UTI-I	Site Works				
106	Excavation	27	cu.m.	₱	₱
				Subtotal III-UTI-I (Labor)	₱

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
III-UTI-II	Civil/Structural Works				
SPL9	Concrete Pathwalk (0.15 m. thick)	80	sq.m	₱	₱
CWSMA14	Floor Topping 50mm with Plain Cement Finish	9	sq.m.		
UT010202	Hand Hole (0.4 x 0.4 x 0.35)	4	unit		
UT010803	Concrete Encasement(0.40m Width X 0.35m Height)	189	l.m.		
				Materials Cost III-UTI-II	₱
				Labor Cost III-UTI-II	
				Subtotal III-UTI-II	₱
				Materials Cost III-UTI	₱
				Labor Cost III-UTI	
				Direct Cost III-UTI	₱
				MATERIAL COST III	₱
				LABOR COST III	
				DIRECT COST III	₱
IV	**NEW BUILDING**				
IV-AW	Architectural Works				
AWP	Painting Works				
AWP0101	Flat Latex Paint Finish (Interior Wall - 3 Coats)	6,411	sq.m.	₱	₱
AWP0102	Elastomeric Paint Finish (Exterior Wall - 3 Coats)	2,683	sq.m.		
AWP0105	Flat Latex Paint Finish (Ceiling - 3 Coats)	719	sq.m.		
AWP0106	Epoxy Enamel Paint Finish (Steel Member - 3 Coats)	2,738	sq.m.		
AWP0109	Flat Latex Paint Finish (Dry Wall - 3 coats)	230	sq.m.		
				MATERIAL COST IV	₱
				LABOR COST IV	
				DIRECT COST IV	₱
V	**SB 2 BUILDING**				
V-SW	Site Works				
DEMV001	Chipping of Concrete Wall (Electrical Works)	1	cu.m.	₱	₱
				Direct Cost V-SW	₱
V-CWS	Civil / Structural Works				
CWSMA	Masonry Works				
CWSMA11	Restoration of Concrete (Electrical Works)	3	sq.m	₱	₱
				Materials Cost V-CWS	₱
				Labor Cost V-CWS	

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
			Direct Cost V-CWS		₱

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
V-AW	Architectural Works				
AWP01	Painting Works				
AWP0101	Flat Latex Paint Finish (Interior Wall - 3 Coats)	3	sq.m	₱	₱
			Materials Cost V-AW		₱
			Labor Cost V-AW		
			Direct Cost V-AW		₱
V-EW	Electrical Works				
EW01	Pipes				
EW0103	32mmØ PVC Pipe	17	piece	₱	₱
EW0106	65mmØ PVC Pipe	1	piece		
EW0115	50mmØ IMC Pipe	1	piece		
EW05	Fittings and Accessories				
EW05003	32mmØ PVC Elbow	5	piece		
EW05006	65mmØ PVC Elbow	1	piece		
EW05012	32mmØ PVC Adaptor	8	piece		
EW05015	65mmØ PVC Adaptor	2	piece		
EW05024	32mmØ PVC Locknut and Bushing	8	pair		
EW05027	65mmØ PVC Locknut and Bushing	2	pair		
EW05046	50mmØ IMC Locknut and Bushing	2	pair		
EW05056	50mmØ IMC Coupling	2	piece		
EW05149	250mm² Ø Solderless Connector with Two-Bolt	4	pair		
EW05158	50mmØ Weatherproof Entrance Cap	1	piece		
EW09	Wires and Cables				
EW0901	THHN Wires				
EW090105b	14mm² THHN Wire	100	l.m.		
EW090109	50mm² THHN Wire	45	l.m.		
EW0903	TW Wires				
EW090304b	8.0mm² TW Wire	50	l.m.		
EW090305b	14mm² TW Wire	15	l.m.		
EW13	Panel Board				
ASSY	Main Distribution Panel Main: 150AT, 3P, 230V, MCCB Branches: 4 - 100 AT, 2P, 230V 2 - 40 AT, 2P, 230V Enclosure: NEMA1 with Ground Terminals and Terminal Lugs	1	assy		
ASSY	LPP (GROUND FLOOR) Main: 70AT, 2P, 230V, MCCB Branches: 13 - 20 AT, 2P, 230V 1 - 30 AT, 2P, 230V Enclosure: NEMA1 with Ground Terminals and Terminal Lugs	1	assy		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
ASSY	LPP (SECOND-FOURTH FLOOR) Main: 70AT, 2P, 230V, MCCB Branches: 11 - 20 AT, 2P, 230V 1 - 30 AT, 2P, 230V Enclosure: NEMA1 with Ground Terminals and Terminal Lugs	3	assy		
EW16	Pipe Hangers and Supports				
EW1602	Vertical Layout of Pipe	5	l.m.		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
MC	Miscellaneous and Consumables				
MC/G07	Masking Tape	5	roll		
MC/G13	All around Sealant	2	tube		
MC/G14	Solvent Cement, 400cc	1	can		
MC/G37	G.I. Tie Wire, Ga.16 (for Wire / Cable Pulling)	3	kg		
MC/E01	Electrical Tape	5	roll		
MC/E03	Pulling Lubricant	1	gal		
MC/E04	Rubber Tape	3	roll		
				Materials Cost V-EW	₱
				Labor Cost V-EW	
				Direct Cost V-EW	₱
				MATERIAL COST V	₱
				LABOR COST V	
				DIRECT COST V	₱
VI	**SB 1 BUILDING**				
VI-SW	Site Works				
DEMV001	Chipping of Concrete Wall (Electrical Works)	1	cu.m.	₱	₱
				Direct Cost VI-SW (LABOR)	₱
VI-CWS	Civil / Structural Works				
CWSMA	Masonry Works				
CWSMA11	Restoration of Concrete (Electrical Works)	3	sq.m	₱	₱
				Materials Cost VI-CWS	₱
				Labor Cost VI-CWS	
				Direct Cost VI-CWS	₱
VI-AW	Architectural Works				
	Painting Works				
AWP0101	Flat Latex Paint Finish (Interior Wall - 3 Coats)	3	sq.m	₱	₱
				Materials Cost VI-AW	₱
				Labor Cost VI-AW	
				Direct Cost VI-AW	₱
VI-EW	Electrical Works				
EW01	Roughing-ins				
EW0106	65mmØ PVC Pipe	1	piece	₱	₱
EW0115	50mmØ IMC Pipe	1	piece		
EW05	Fittings and Accessories				
EW05006	65mmØ PVC Elbow	2	piece		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
EW05015	65mmØ PVC Adaptor	2	piece		
EW05027	65mmØ PVC Locknut and Bushing	2	pair		
EW05046	50mmØ IMC Locknut and Bushing	2	pair		
EW05056	50mmØ IMC Coupling	2	piece		
EW05145	125mm² Ø Solderless Connector with Two-Bolt	4	pair		
EW05158	50mmØ Weatherproof Entrance Cap, Diecast Type	1	piece		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
EW09	Wires and Cables				
EW0901	THHN Wires				
EW090105b	14.0mm² THHN Wire	60	l.m.		
EW090111	80.0mm² THHN Wire	54	l.m.		
EW0903	TW Wires				
EW090304b	8.0mm² TW Wire	30	l.m.		
EW090306b	22.0mm² TW Wire	18	l.m.		
EW13	Panel Board				
ASSY	Main Distribution Panel Main: 200AT, 2P, 230V, MCCB Branches: 4 - 70 AT, 2P, 230V Enclosure: NEMA1 with Ground Terminals and Terminal Lugs	1	assy		
ASSY	LPP (GROUND-THIRD FLOOR TYPICAL) Main: 70AT, 2P, 230V, MCCB Branches: 5 - 20 AT, 2P, 230V 4 - 30 AT, 2P, 230V 1 - 40 AT, 2P, 230V Enclosure: NEMA1 with Ground Terminals and Terminal Lugs	3	assy		
EW16	Pipe Hangers and Supports				
EW1602	Vertical Layout of Pipe	5	l.m.		
MC	Miscellaneous and Consumables				
MC/G07	Masking Tape	5	roll		
MC/G13	All around Sealant	1	can		
MC/G14	Solvent Cement, 400cc	1	can		
MC/G37	G.I. Tie Wire, Ga.16 (for Wire / Cable Pulling)	3	kg		
MC/E01	Electrical Tape	5	roll		
MC/E03	Pulling Lubricant	1	gal		
MC/E04	Rubber Tape	3	roll		
				Materials Cost VI-EW	₱
				Labor Cost VI-EW	
				Direct Cost VI-EW	₱
				MATERIAL COST VI	₱
				LABOR COST VI	
				DIRECT COST VI	₱
VII	**COVERED COURT**				
VII-EW	Electrical Works				
EW01	Pipes				
EW0102	25mmØ PVC Pipe	17	piece	₱	₱
EW05	Fittings and Accessories				
EW05011	25mmØ PVC Adaptor	2	piece		
EW05023	25mmØ PVC Locknut and Bushing	2	pair		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
EW05155	25mmØ Weatherproof Entrance Cap, Diecast Type	1	piece		
EW09	Wires and Cables				
EW0901	THHN Wires				
EW090103b	5.5mm² THHN Wire	90	l.m.		
EW090302b	TW Wires				
EW090302b	3.5mm² TW Wire	45	l.m.		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
EW16	Pipe Hangers and Supports				
EW1602	Vertical Layout of Pipe	5	l.m.		
MC	Miscellaneous and Consumables				
MC/G06	Hacksaw Blade	1	roll		
MC/G18	Waste Cloth	2	kg		
MC/G37	Tie Wire, Ga.16 (for Wire / Cable Pulling)	2	kg		
MC/E01	Electrical Tape	3	roll		
MC/E04	Rubber Tape	3	roll		
				MATERIAL COST VII	₱
				LABOR COST VII	
				DIRECT COST VII	₱
VIII	**SIDEWALK**				
	Land Development Works				
316b	P.C.C.P.,0.23 m.THK, 550 F, 14 days	15	sq.m.	₱	₱
				MATERIALS COST VIII	₱
				LABOR COST VIII	
				DIRECT COST VIII	₱
IX	**GROUNDS PLUMBING AND STORM DRAIN SYSTEM**				
IX-SW	Site Works				
SW01	Layout and Staking	55	sq.m	₱	₱
SW02	Site Clearing and Preparation	55	sq.m		
106	Excavation for Structures	14	cu.m		
				Direct Cost IX-SW (Labor)	₱
IX-CWS	Civil / Structural Works				
CWSMA	Masonry works				
CWSMA08	Restoration of Concrete (Plumbing Works)	55	sq.m	₱	₱
				Materials Cost IX-CWS	₱
				Labor Cost IX-CWS	
				Direct Cost IX-CWS	₱
IX-S/PW	Sanitary/Plumbing Works				
S/PW01	Sewer Line / Storm Drainage System				
S/PW0101	Roughing-Ins				
S/PW010105	150mmØ PVC Pipe with Hub	5	piece	₱	₱
S/PW010106	200mmØ PVC Pipe with Hub	10	piece		
S/PW02	Waterline System				
S/PW020102	PPR Pipe				

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
S/PW02010204	40mmØ PPR Pipe	9	piece		
S/PW02010205	50mmØ PPR Pipe	35	piece		
S/PW02010206	65mmØ PPR Pipe	58	piece		
S/PW02010232	65mmØ x 40mmØ Tee Unequal	12	piece		
S/PW02010215	50mmØ x 50mmØ Tee Equal	4	piece		
S/PW02010229	50mmØ x 40mmØ Unequal Tee	1	piece		
S/PW02010247	50mmØ x 40mmØ Reducer	1	piece		
S/PW02010260	40mmØ 90° Elbow	7	piece		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
S/PW02010261	50mmØ 90° Elbow	20	piece		
S/PW02010280	40mmØ Union Patent	2	piece		
S/PW02010281	50mmØ Union Patent	6	piece		
S/PW02010289	40mmØ Coupling	9	piece		
S/PW02010290	50mmØ Coupling	35	piece		
S/PW0202	Valve and Appurtenances				
S/PW020204	40mmØ Gate Valve PPR	2	piece		
S/PW020205	50mmØ Gate Valve PPR	6	piece		
S/PW020213	50mmØ Check Valve	3	piece		
S/PW07	Pipe Hangers and Supports				
S/PW0707	For vertical pipes greater than 50mmØ (1m interval)	2	l.m.		
MC	Miscellaneous and Consumables				
MC/G06	Hacksaw Blade	9	piece		
MC/G13	All Around Sealant	1	can		
MC/G14	Solvent Cement, 400cc	1	can		
MC/G15	Teflon Tape	1	roll		
MC/G18	Waste Cloth	5	kg		
MC/G26	15mmØ Concrete Drill Bit	17	piece		
				Materials Cost IX-S/PW	₱
				Labor Cost IX-S/PW	
				Direct Cost IX-S/PW	₱
IX-EW	Electrical Works				
EW01	Pipes				
EW0111	25mmØ IMC Pipe	25	piece	₱	₱
EW05	Fittings and Accessories				
EW05033	25mmØ IMC Elbow	4	piece		
EW05043	25mmØ IMC Locknut and Bushing	4	pair		
EW05053	25mmØ IMC Coupling	4	piece		
EW06	Boxes and Fabricated Pullbox				
EW0603	50mm x 100mm Metal Utility Box	2	piece		
EW0604	100mm x 100mm Metal Junction Box with Cover	4	piece		
EW09	Wires and Cables				
EW0901	THHN Wires				
EW090104b	8.0mm² THHN Wire	50	l.m.		
EW090105b	14.0mm² THHN Wire	100	l.m.		
EW0903	TW Wires				
EW090303b	5.5mm² TW Wire	25	l.m.		
EW090304b	8.0mm² TW Wire	50	l.m.		
EW1303	Enclosed Circuit Breaker (ECB)				
	Main: 50AT, 2P	2	assy		
EW16	Pipe Hangers and Supports				
EW1602	Vertical Layout of Pipe	5	l.m.		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
MC	Miscellaneous and Consumables				
MC/G06	Hacksaw Blade	1	piece		
MC/G14	Solvent Cement, 400cc	1	can		
MC/G37	GI Tie Wire, Ga. 16	1	kg		
MC/E01	Electrical Tape	1	piece		

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
MC/E04	Rubber Tape	1	piece		
				Materials Cost IX-EW	₱
				Labor Cost IX-EW	
				Direct Cost IX-EW	₱
IX-UTI	Utilitiy and Ancillary Works				
SPL2a	Two-Layer Open Line Canal	55	l.m.	₱	₱
CWLC02	Steel Grating	55	l.m.		
	Booster Pumps				
S/PW080506	BP1 -150 GPM, 100 FT. TDH, 7.5 HP, 220V, 1Ø, 60Hz	1	unit		
S/PW080508	BP2 -105 GPM, 90 FT. TDH, 4 HP, 220V, 1Ø, 60Hz	1	unit		
	Pressure Tank				
S/PW080609	PT1 - Stainless steel, Ga #14, 340 Gal Capacity, 20/40 PSI cut-in/cut-off	1	unit		
S/PW080610	PT2 - Stainless steel, Ga #14, 300 Gal Capacity, 20/40 PSI cut-in/cut-off pressure	1	unit		
	Water Tank				
S/PW080903	WT1 - Stainless Steel Construction, 1/4" THK with a Capacity of 2000 gallons, Horizontally Installed	1	unit		
S/PW081103	WT2 - Stainless Steel Construction, 1/4" THK with a Capacity of 1000 gallons, Horizontally Installed	1	unit		
				Materials Cost IX-UTI	₱
				Labor Cost IX-UTI	
				Direct Cost IX-UTI	₱
				MATERIALS COST IX	₱
				LABOR COST IX	
				DIRECT COST IX	₱

ITEM CODE	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST

SUMMARY

ITEM CODE	WORK DESCRIPTION AND SCOPE OF WORKS	TOTAL COST
OGR	OTHER GENERAL REQUIREMENTS	₱
	TOTAL ESTIMATED COST A	₱
GR	GENERAL REQUIREMENTS	₱
I	UPGRADING OF MAIN SERVICE ENTRANCE	
II	MATHAY BUILDING	
III	HB BUILDING	
IV	NEW BUILDING	
V	SB 2 BUILDING	
VI	SB 1 BUILDING	
VII	COVERED COURT	
VIII	SIDEWALK	
IX	GROUNDS PLUMBING AND STORM DRAIN SYSTEM	

Note: Strictly enforce health protocol relative to the latest applicable DPWH Memorandum.	**TOTAL DIRECT COST B** Overhead, Contingencies and Miscellaneous Expenses (OCM) PROFIT **TOTAL ESTIMATED COST B**	₱ ₱
	TOTAL DIRECT COST A **TOTAL ESTIMATED COST B** **TOTAL ESTIMATED COST** **VAT**	₱ ₱
	TOTAL APPROVED BUDGET FOR THE CONTRACT	₱

Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or

b. any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary "pass/fail" criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
and

☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;
and

☐ (c) Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
and

☐ (e) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

☐ (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid *(please see attached prescribed forms required by the QC – BAC for Infrastructure and Consultancy)*; **and**

☐ (g) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules with an attached Notice of Award, Notice to Proceed, Contract and Certificate of Acceptance *(please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy)*; **and**

☐ (h) Philippine Contractors Accreditation Board (PCAB) License;
or
Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; **and**

☐ (i) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**

(j) Project Requirements, which shall include the following:

☐ a. Organizational chart for the contract to be bid;

☐ b. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data *(please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy)*;

☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment

lessor/vendor for the duration of the project, as the case may be *(please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy)*; **and**

☐ (k) Original duly signed Omnibus Sworn Statement (OSS);
and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Additional Technical Requirements:

- ☐ Certificate of Site Inspection or Affidavit of Site Inspection as part of Omnibus Sworn Statement
- ☐ Affidavit of Undertaking for Key Personnel and Equipment *(please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy)*
- ☐ Equipment Utilization Schedule
- ☐ Manpower Schedule
- ☐ Construction Schedule and S-Curve
- ☐ PERT-CMP
- ☐ Construction Methods

Financial Documents

☐ (l) The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**

☐ (m) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) *(please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy).*

Class "B" Documents

☐ (n) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

☐ (o) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

☐ (p) Original of duly signed Bid Prices in the Bill of Quantities; **and**

☐ (q) Duly accomplished Detailed Estimates Form, including a summary shee indicating the unit prices of construction materials, labor rates, and equipmen rentals used in coming up with the Bid; **and**

☐ (r) Cash Flow by Quarter.

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;

b. We offer to execute the Works for this Contract in accordance with the PBDs;

c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;

d. The discounts offered and the methodology for their application are: *[insert information]*;

e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,

f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;

g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines[1] for this purpose;

h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

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[1] currently based on GPPB Resolution No. 09-2020

k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].

l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

BID SECURING DECLARATION
Project Identification No.: *[Insert number]*

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.

2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.

3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:

   a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
   b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
   c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month] [year]* at *[place of execution]*.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

   [If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

   [If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

   [If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

   [If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

   [If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

   [If a partnership or cooperative:] None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project

Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project].*

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

11. We pledge that the project will be completed in accordance and congruency with the approved plans and programs.

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of _____ 20_ at , Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT, made this *[insert date]* day of *[insert month]*, *[insert year]* between *[name and address of PROCURING ENTITY]* (hereinafter called the "Entity") and *[name and address of Contractor]* (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute *[name and identification number of contract]* (hereinafter called "the Works") and the Entity has accepted the Bid for *[contract price in words and figures in specified currency]* by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz.*:

   a. Philippine Bidding Documents (PBDs);
      i. Drawings/Plans;
      ii. Specifications;
      iii. Bill of Quantities;
      iv. General and Special Conditions of Contract;
      v. Supplemental or Bid Bulletins, if any;

   b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

   Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

   c. Performance Security;

   d. Notice of Award of Contract and the Bidder's conforme thereto; and

   e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.

4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

[Insert Name and Signature] *[Insert Name and Signature]*

[Insert Signatory's Legal Capacity] *[Insert Signatory's Legal Capacity]*

for: *for:*

[Insert Procuring Entity] *[Insert Name of Supplier]*

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]

LIST OF ALL ON-GOING GOVERNMENT AND PRIVATE CONTRACTS

NAME OF CONTRACTOR: _____

PROJECT TITLE (Name of the Contract) & EXACT PROJECT LOCATION	DATE OF CONTRACT	CONTRACT DURATION	PROJECT OWNER & POSTAL ADDRESS	NATURE OF WORK	CONTRACTOR'S ROLE (SOLE CONTRACTOR, SUBCONTRACTOR, PARTNER IN A JV) and PERCENTAGE OF PARTICIPATION	TOTAL CONTRACT VALUE AT AWARD	DATE OF COMPLETION or ESTIMATED COMPLETION TIME	TOTAL CONTRACT VALUE AT COMPLETION IF APPLICABLE	PERCENTAGE		VALUE OF OUTSTANDING WORKS (IN PHP)
									ACTUAL ACCOMPLISHMENT	PLANNED ACCOMPLISHMENT	
									TOTAL AMOUNT (Php) OF OUTSTANDING WORKS		

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

LIST OF ALL AWARDED BUT NOT YET STARTED GOVERNMENT AND PRIVATE CONTRACTS OF THE BIDDER

NAME OF CONTRACTOR: _____

PROJECT TITLE: _____

PROJECT TITLE & EXACT LOCATION	MAJOR SCOPE OF WORKS & DATE STARTED	NAME AND ADDRESS OF PROJECT OWNER	CONTRACT PRICE (PHP) AS AWARDED	DATE OF SCHEDULED COMPLETION	ROLE OF BIDDER IN THE CONTRACT SOLE CONTRACTOR / SUB-CONTRACTOR/PARTNER IN A
		TOTAL AMOUNT OF CONTRACT (Php)			

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

SINGLE LARGEST COMPLETED CONTRACT SIMILAR TO THE CONTRACT TO BE BID

NAME OF CONTRACTOR: _____

PROJECT TITLE: _____

PROJECT TITLE (Name of the Contract) & EXACT PROJECT LOCATION	DATE OF CONTRACT	CONTRACT DURATION	PROJECT OWNER & POSTAL ADDRESS	NATURE OF WORK	CONTRACTOR'S ROLE (SOLE CONTRACTOR, SUBCONTRACTOR, PARTNER IN A JV) and PERCENTAGE OF PARTICIPATION	TOTAL CONTRACT VALUE AT AWARD	DATE OF COMPLETION or ESTIMATED COMPLETION TIME	TOTAL CONTRACT VALUE AT COMPLETION IF APPLICABLE

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

LIST OF MAJOR EQUIPMENT TO BE USED FOR THE PROJECT

NAME OF CONTRACTOR: _____

PROJECT TITLE: _____

TYPE	DESCRIPTION / CAPACITY	SERIAL NO.	YEAR ACQUIRED	PRESENT LOCATION (SPECIFIC ADDRESS)	STATUS OF AVAILABILITY (OWNED/LEASED)

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

A. LIST OF KEY CONSTRUCTION PERSONNEL TO BE ASSIGNED TO THE PROJECT

NAME OF CONTRACTOR: _____

PROJECT TITLE: _____

NAME	POSITION	AGE	EDUCATIONAL ATTAINMENT	TYPE OF CONSTRUCTION EXPERIENCE	NO.OF YEARS WITH THE CONTRACTOR	PROFESSION	PRC NO.

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

COMPUTATION OF NET FINANCIAL CONTRACTING CAPACITY (NFCC)

NAME OF BIDDER: _____

CURRENT ASSETS*		PHP	
(LESS) CURRENT LIABILITIES*	(LESS)	PHP	
NETWORTH		PHP	
NETWORTH x 15	x 15	PHP	
(LESS) VALUE OF ALL OUTSTANDING ON-GOING CONTRACTS**	(LESS)	PHP	
(LESS) VALUE OF ALL AWARDED BUT NOT YET STARTED CONTRACTS AS OF DATE**	(LESS)	PHP	
NET FINANCIAL CONTRACTING CAPACITY		PHP	

NOTES:

* CURRENT ASSETS AND LIABILITIES BASED ON AUDITED FINANCIAL STATEMENT FOR THE PRECEDING CALENDAR YEAR SUBMITTED TO B.I.R.

** BASED ON LIST OF ON-GOING AND AWRDED BUT NOT YEY STARTED CONTRACTS SUBMITTED

REPUBLIC OF THE PHILIPPINES)

_____) S. S.

AFFIDAVIT OF UNDERTAKING

I, _____, of legal age, Filipino, _____ ***[OFFICER OR REPRESENTATIVE]*** _____

with office address at _____ after having been duly sworn to in accordance with law, hereby voluntary depose and state:

That I am duly authorized representative of the **[Name of Bidder** _____ to execute this undertaking as evidenced by Secretary's Certificate and Board Resolution.

That **[Name of Bidder]** bidding for the (Name of Project)

That relative to the aforementioned Project, the [Name of Bidder] hereby undertake that the equipment to be use and the key personnel to be assign shall exclusively be used and will only perform to the said project until its completion.

That I am executing this affidavit to attest to the truth of the foregoing and in compliance with the submission of the technical requirements for the public bidding of the said project.

IN WITNESS HEREOF, I have hereunto signed my name below this _____ day of_____, _____ at _____.

AFFIANT FURTHER SAYETH NAUGHT.

_____

Affiant

SUBSCRIBED AND SWORN TO BEFORE ME this ___ day of _____, _____ in _____,

affiant exhibiting to me his/her _____ issued at _____ on _____.

Doc. No. ;
Page No. ;
Book No. ;
Series of 2020

_____

Notary Public


Republic of the Philippines
gppb
Government Procurement Policy Board