			PA	NEL "	LP1"					MAIN: 2-70A ⁻ 3Ø 4-V	T 100AF 3P VIRE 230V				PA	ANEL	"LP2"					MAIN: 2-70/ 3Ø 4	T 100AF 3P WIRE 230V				PAI	NEL "	"LP3"				N	MAIN: 2-70AT 3Ø 4-WI	100AF 3P IRE 230V
EDER LOAD DESCRIPTION	AMP. PER		PHASE LOADING			CIRC	CUIT BRE	AKER	HOMERUN		FEEDER		AMP. PER					CIRCUIT BREAKER HOM				IERUN FEED			AMP. PER	PHASE		LOADING		CIRCUIT BREAKER		KER	HOMERUN		
Ю.	LOAD DESCRIPTION	CIRCUIT	ØAB	ØCA	ØBC	3Ø	TRIP	FRAME	POLE	WIRE	CONDUIT	NO.	LOAD DESCRIPTION	CIRCUIT	ØAB	ØCA	ØBC	3Ø	TRIP	FRAME	POLE	WIRE	CONDUIT	NO.	LOAD DESCRIPTION	CIRCUIT	ØAB	ØCA	ØBC	3Ø	TRIP	FRAME	POLE	WIRE	CONDU
1	LIGHTINGS	2.61	2.61				30	50	2	2#3.5mm2 THHI	20mmØ PVC	1	LIGHTINGS	7.17	7.17				20	50	2	2#3.5mm2 THI	IN 20mmØ PVC	1	LIGHTINGS	6.89	6.89		<u> </u>		20	50	2	2#3.5mm2 THHN	20mmØ
2	LIGHTINGS	8.91	8.91				30	50	2	2#3.5mm2 THHI	20mmØ PVC	2	LIGHTINGS	6.52	6.52				20	50	2	2#3.5mm2 THI	IN 20mmØ PVC	2	LIGHTINGS	6.96	6.96		'	<u> </u>	20	50	2	2#3.5mm2 THHN	20111112
3	LIGHTINGS	3.91		3.91			30	50	2	2#3.5mm2 THHI	20mmØ PVC	3	LIGHTINGS	6.09		6.09			20	50	2	2#3.5mm2 THI	20111112 1 1 0	3	LIGHTINGS	4.78		4.78	'	<u> </u>	20	50	2	2#3.5mm2 THHN	
4	CONVENIENCE OUTLET	6.26		6.26			30	50	2	3#3.5mm2 THHI		4	EMERGENCY/ EXIT LIGHTS	6.13		6.13			20	50	2	2#3.5mm2 TH		4	LIGHTINGS	2.83		2.83	'	<u> </u>	20	50	2	3#3.5mm2 THHN	
5	CONVENIENCE OUTLET	4.70			4.70		30	50	2	3#3.5mm2 THHI	2011111121 70	5	CONVENIENCE OUTLET	6.26			6.26		20	50	2	2#3.5mm2 THI	20111112 1 10	5	CONVENIENCE OUTLET	6.26			6.26	<u> </u>	20	50	2	3#3.5mm2 THHN	20mm@
6	CONVENIENCE OUTLET	3.91			3.91		30	50	2	3#3.5mm2 THHI	201111121112	6	CONVENIENCE OUTLET	7.83			7.83		20	50	2	2#3.5mm2 THI	20111112 1 10	6	CONVENIENCE OUTLET	6.26			6.26	<u> </u>	20	50	2	3#3.5mm2 THHN	20mm(
7	CISTERN PUMP 2HP	12.00	12.00				30	50	2	3#5.5mm2 THHI	20mmØ PVC	7	CONVENIENCE OUTLET	4.70	4.70				20	50	2	2#3.5mm2 THI		7	SIGNAGE	4.35	4.35		'	<u> </u>	20	50	2	3#3.5mm2 THHN	20mm(
8	SPARE						30	50	2	_		8	CONVENIENCE OUTLET	10.17	10.17				20	50	2	2#3.5mm2 THI	201111101 VO	8	SPARE				<u> </u> '	<u> </u>	20	50	2		-
9	BOOSTER PUMP 2HP	12.00		12.00			20	50	2	3#5.5mm2 THHI	20mmØ PVC	9	CONVENIENCE OUTLET	6.26		6.26			20	50	2	2#3.5mm2 THI	IN 20mmØ PVC	9	SPARE				<u> </u>	<u> </u>	20	50	2		-
10	SPARE						20	50	2			10	SPARE			_			20	50	2			10	SPARE				<u> </u>	<u> </u>	20	50	2	<u> </u>	-
11	SPARE						20	50	2		_	11	SPARE						20	50	2			11	SPARE	<u> </u>			$\perp - \mid$	<u> </u>	20	50	2		-
12	SPARE						20	50	2	_		12	CCTV	2.17			2.17		20	50	2	2#3.5mm2 TH	20	12	SPARE				+-	 '	20	50	2		-
												13	FDAS	2.17	2.17				20	50	3	2#3.5mm2 TH	201111121110	13	SPARE				<u> </u>	 '	20	50	2		-
												14	SPARE		 -				20	50	3	_		14	SPARE		_		<u> </u>	<u> </u>	20	50	2		-
																								15	SPARE					<u> </u>	20	50	2		-
																								16	SPARE				 '	<u> </u>	20	50	2		-
	TOTAL		23.52	22.17	8.61								TOTAL		30.73	18.48	20.17								TOTAL		17.40	7.61	12.52	 '					-
	ILP1 = 23.52 (= 43.74 Al			dess dans x 1 f	0.01	<u> </u>	<u> </u>		USE	: 3# 14mm; 1# 8.0mm IN 32mm	2 THHN		ILP2 = 30.73 (= 52.25 /	,	1	10.70	20.17				USE		n2 THHN		ILP3 = 17.40 (1 = 30.14 Al	,	17.30	7.01	16.06				USE	: 3# 14mm2 1# 8.0mm2	THHN

			P	ANEL "	PP2"					MAIN	: 150-AT 3Ø 4-W	225AF 3P RE 230V				PA	NEL	"PP3"				1	MAIN: 150AT 2 3Ø 4-WI					PAN	IEL "PF	'4"				MAIN:	150AT 225 3Ø 4-WIR	
FEEDER	3	AMP. PER	VIP. PER		PHASE LOADING		CIRCUIT BRE		IT BREAKER		HOMERU		FEEDER		AMP. PER		PHASE	LOADING		CIRCL	IT BREA	KER	HOME	ERUN	FEEDER		AMP. PER	PHASE LOADING			(CIRCUIT BREAKER			HOMER	.UN
NO.	LOAD DESCRIPTION	CIRCUIT	ØAB	ØCA	ØBC	3Ø	TRIP	FRAI	ME POLE		WIRE	CONDUIT	NO.	LOAD DESCRIPTION	ON CIRCUIT	ØAB	ØCA	ØBC	3Ø	TRIP	FRAME	POLE	WIRE	CONDUIT	NO.	LOAD DESCRIPTION	CIRCUIT	ØAB	ØCA Ø	ØBC 3	3Ø TR	RIP FR	RAME PO	LE	WIRE	CONDUI
1	ACCU - 1	12.00	12.00				30	50	2	3#5	5mm2 THHN	20mmØ PVC	1	ACCU -8	12.00	12.00				30	50	2	3#5.5mm2 THHN	20mmØ PVC	1	ACCU -14	12.00	12.00			3/	30 5	50 2	3#5.5	mm2 THHN	20mmØ P
2	ACCU - 2	12.00	12.00				30	50	2	3#5	5mm2 THHN	20mmØ PVC	2	ACCU - 9	12.00	12.00				30	50	2	3#5.5mm2 THHN	20mmØ PVC	2	ACCU -15	12.00	12.00			3/	30 5	50 2	3#5.5	mm2 THHN	20mmØ P
3	ACCU - 3	12.00		12.00			30	50	2	3#5	5mm2 THHN	20mmØ PVC	3	ACCU - 10	12.00		12.00			30	50	2	3#5.5mm2 THHN	20mmØ PVC	3	ACCU -16	12.00		12.00		3/	30 5	50 2	3#5.5	mm2 THHN	20mmØ F
4	ACCU - 4	12.00		12.00			30	50	2	3#5	5mm2 THHN	20mmØ PVC	4	ACCU - 11	12.00		12.00			30	50	2	3#5.5mm2 THHN	20mmØ PVC	4	ACCU -17	12.00		12.00		3'	30 5	50 2			20mmØ F
5	ACCU - 5	12.00			12.00		30	50	2	3#5	5mm2 THHN	20mmØ PVC	5	ACCU - 12	12.00			12.00		30	50	2	3#5.5mm2 THHN	20mmØ PVC	5	ACCU -18	12.00		12	2.00	3/	30 5	50 2	3#5.5	mm2 THHN	20mmØ F
6	ACCU - 6	12.00			12.00		30	50	2	3#5	5mm2 THHN	20mmØ PVC	6	ACCU - 13	12.00			12.00		30	50	2	3#5.5mm2 THHN	20mmØ PVC	6	ACCU -19	12.00		12	2.00	3/	30 5	50 2	3#5.5	mm2 THHN	20mmØ l
7	ACCU - 7	12.00	12.00				30	50	2	3#5	5mm2 THHN	20mmØ PVC	7	SPARE	_	_				30	50	2			7	ACCU -20	12.00	12.00			3/	30 5	50 2		mm2 THHN	
8	SPARE	_					30	50	2				8	SPARE		_				30	50	2			8	ACCU -21	12.00	12.00			3/	30 5	50 2	3#5.5	mm2 THHN	20mmØ
9	SPARE	_		_			30	50	2				9	SPARE						30	50	2			9	LIGHTINGS	7.50		7.50		2	20 5	50 2	2#3.5	mm2 THHN	20mmØ
10	SPARE	_		_			30	50	2		_		10	SPARE						30	50	2			10	LIGHTINGS / EM LIGHTS	7.00		7.00		2	20 5	50 :	2#3.5	mm2 THHN	20mmØ
11	SPARE	_					30	50	2				11	SPARE						30	50	2			11	CONVENIENCE OUTLET	10.17		10	0.17	2'	20 5	50 2	2#3.5	mm2 THHN	20mmØ
12	SPARE						30	50	2				12	SPARE	_					30	50	2			12	CONVENIENCE OUTLET	7.83		7	7.83	2'	20 5	50 2	2#3.5	mm2 THHN	20mmØ
13	SPARE						70	100	3				13	SPARE	_					70	100	3			13	SPARE					5′	50 5	50 3			
14	PANEL LP2						70	100	3				14	PANEL LP3						70	100	3			14	SPARE					5/	50 5	50 3			_
	TOTAL		36.00	24.00	24.00	52.25								TOTAL		24.00	24.00	24.00	30.14							TOTAL		48.00	38.50 4	2.00						
	IPP2 = 36.00 (= 117.60 a			0.25 (12)					US		3# 50mm2 1# 14mm2 IN 50mmØ	THHN		ILP2 = 24	4.00 (1.732) + 4.71 AMPERES).25 (12)					USE	: 3# 50mm2 1# 14mm2 IN 50mmØ	THHN		IPP4 = 48.00 ($= 86.14 A$							l	1	# 50mm2 Th # 14mm2 Th N 50mmØ P\	HHN

CONTRACTOR	CHECKED BY.	ENGINEER		PROJECT	OWNER	SHEET CONTENT	DESIGN BY.	SHEET NO.	
				EASTEL OFFICE DIJUDING			CADD BY. jstamayo		
		PROFESSIONAL E	ELECTRICAL ENGINEER	FASTEL OFFICE BUILDING		AS SHOWN	DATE NOV. 2024	E-5	
		PRC. NO.	PTR. NO.	LOCATION 214 P. SANTOS ST., MALIBAY, PASAY CITY	ADDRESS		APPROVED BY.		
		TIN. NO.	ISSUED ON	- LOCATION 214 P. SAINTOS ST., MALIBAY, PASAY CITY	ADDITEGG		AFFROVED DT.		