□ JAYA CM	DATA TEKNIS PROYEK	Nomor :
JATAT CITT		Halaman :
BIRO ENGINEERING	APARTMENT EMPIRE	Tanggal :

NAMA PROYEK	:	PODOMORO CITY DELI MEDAN
PEMILIK	:	PT SINAR MENARA DELI (AGUNG PODOMORO LAND)
JENIS PROYEK	:	APARTMENT, OFFICE, HOTEL, MALL & PARKING AREA (SUPER BLOK)
LOKASI	:	JALAN PUTRI HIJAU, MEDAN, SUMATERA UTARA
PERIODE PELAKSANAAN	:	2013 s/d 2021

4			ELEKTRIKAL		
4,1	DATA DAYA UTAMA		KAPASITAS	SATUAN	KETERANGAN
	Besaran Daya Total	:	1600	KVA	Trafo 2000 KVA = 1 Unit
	Listrik Total untuk Penerangan	:	157	KVA	Renc Sambg PLN = 5440 KVA
	Listrik Total untuk Stop Kontak		1551	KVA	
	Listrik Total untuk Daya :				
	- VAC	:	110	KVA	
	- Lift	:	134	KVA	
	- Pompa-pompa	:	469	KVA	
	- FAN ( PAF & SEF )	:	75	KVA	
	Total	:	2496	KVA	
5	Kapasitas Total Trafo	:	3600,0	KVA	1x2000 KVA & 1x1600 KVA
6	Daya PLN Tersambung	1			

DATA	KEBIL	тишль	IDAYA
DAIA	NEDU	IUDAN	IDATA

4,2	Lighting / Penerangan & Stop kontak		MERK	TYPE	JUMLAH	JUMLAH DAYA (Watt)	SATUAN (Watt)	KETERANGAN
ı	Lt Basement ( Parkir & Loby lift )							
1	Tower Empire	:						
	Down Light 1 x13 W	:			13	13	169,0	
	TL TKO 1 x 36 W	:			57	36	2052,0	
	TL TKO 1 x 18 W	:			4	18	72,0	
		:		Total Penerangan			2293,0	
	Stk dinding 200 W / titik	:	Boss		9	200	1800,0	
		:						
2	Tower Victory	:						
	TL TKO 1 x 36 W	:			67	36	2412,0	
	Stk dinding 200 W / titik	:	Boss		11	200	2200,0	
		:						
II	Lt LG ( Parkir & Loby lift )	:						
1	Tower Empire	:						
	Down Light 1 x13 W	:			13	13	169,0	
	TL TKO 1 x 36 W	:			58	36	2088,0	
	TL TKO 1 x 18 W	:			4	18	72,0	
		:					2329,0	
	Stk dinding 200 W / titik	:	Boss		11	200	2200,0	

	JAYA CM	DATA TEKNIS PROYEK								:
	BIRO ENGINEERING	1		APARTMENT EMPIR	RE				Tanggal	
	T	1:1							99	-
2	Tower Victory	1:1								
	TL TKO 1 x 36 W	1:1			66	36	2376,0			
	Stk dinding 200 W / titik		Boss		14	200	2800,0			
		1:								
III	Lt LGMP2 ( Parkir & Loby lift )	1:1								
1	Tower Empire	1:								
	Down Light 1 x13 W				13	13	169,0			
	TL TKO 1 x 36 W				47	36	1692,0			
	TL TKO 2 x 36 W				11	72	792,0			
	TL TKO 1 x 18 W	$\pm$			4	18	72,0			
		$\pm$			<u> </u>	10	2725,0			
	Stk dinding 200 W / titik	+:+	Boss		18	200	3600,0			
	San	+	2000		10	200	5555,5			
2	Tower Victory	+:-					+			
<u> </u>	TL TKO 1 x 36 W	$\pm$			37	36	1332,0			
	Stk dinding 200 W / titik	+:+	Boss		3	200	600,0			
	Six unitarity 200 VV / titik	+ +	D033		3	200	000,0			
IV	Lt LGMP1 ( Parkir & Loby lift )	$\pm$								
1	Tower Empire	+:-								
	Down Light 1 x13 W	$\pm \pm$			13	13	169,0			
	TL TKO 1 x 36 W	+:+			35	36	1260,0			
	TL TKO 1 x 18 W	$\pm \pm$			4	18	72,0			
	IL IRO 1 x 16 W	+ - 1			4	16	1501,0			
	Stk dinding 200 W / titik	+ : +	Boss		18	200	3600,0			
	Six diffully 200 W / titik	+:+	D033		10	200	3000,0			
2	Tower Victory	$\pm \pm$								
	TL TKO 1 x 36 W	+			36	36	1296,0			
	Stk dinding 200 W / titik	+:-	Boss		3	200	600,0			
	Oth Carriering 200 VV / tittle	+	D022		3	200	000,0			
٧	Ground Floor loby area	+					1			
, v	Down Light Led 8 W	+			26	9	234,0			
	Linear Led 10 w / m	+			64	10	640,0			
	Linear Lou 10 W / III	+ : +			04	10	874,0			
	STK	+			15	200	3000,0			
		+			15	200	3000,0			
	Canopy Empire & Victory	+					+			
	Down Light Led 10 W	+ +			7	10	70,0			
	Down Light Led 10 W  Down Surface Led 15 W	+:+			10	15	150,0			
		+								
	Linear Led 15 w / m	+			48	15	720,0			
	Drop off orea	+					940,0			
	Drop off area	+			40	00	4400.0			
	Down Surface Led 28 W	:_			40	28	1120,0			

	□ JAYA CM		DATA TEKNIS PROYEK								
	BIRO ENGINEERING		APARTMENT EN	IPIRE			Halaman : Tanggal :				
	Down Surface Led 23 W			32	23	736,0	ranggar .				
	Down Surface Led 15 W			16	15	240,0					
	Down Surface Led 9 W			30	9	270,0					
	Linear Led 10 w / m			285	10	2850,0					
				200		5216,0					
VI	Lanskape area	:				0210,0					
	Sp - Spike 9W			45	9	405,0					
	ST- 1L			28	5	140,0					
	SL - PB 10 W/m			97	10	970,0					
	LL-WS 18 W / m	:		28	18	504,0					
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:				2019,0					
VII	Lt 2 s/d 33 ( Loby & Coridor Typikal )	:									
H	Total = 31 Lantai	1:									
	Down Light PLC 1 x13 W ( 15 ttk / Lantai )	:		465	13	6045,0					
	TKO TL 1 x 18 W ( 4 ttk / lantai )			124	18	2232,0					
	The 12 + X to 11 ( + tall / tall /					8277,0					
	Stk Dinding (4 titik / lantai)	:		124	200	24800,0					
	Stk CCTV (4 titik / lantai )			124	70	8680,0					
	out corr ( runt, tarnar)	:				0000,0					
VIII	Unit Apartemen	:									
1	Unit I.BR = 122 unit	:									
	Down Light 13 W (5 titik / unit)	:		610	13	7930,0					
	Down Light 9 W (2 titik / unit)	:		244	9	2196,0					
		:				10126,0					
	Stk TV 70 W (2 titik / unit)	:		244	70	17080,0					
	Stk Kulkas 100 W (1 titk / unit)	:		122	100	12200,0					
	Stk Microwave 300 W ( 1 titik / unit )	:		122	300	36600,0					
	Stk Water heater 300 W ( 1 ttk / unit )	:		122	300	36600,0					
	Stk Dinding 200 W ( 5 titik / unit )	:		124	200	24800,0					
	, , ,	:									
	AC 1 PK (750 W) - 1 Bh / unit	:		122	750	91500,0					
	, ,	:									
3	Unit 2,BR = 126 unit	:									
	Down Light 13 W (8 titik / unit)	:		1008	13	13104,0					
	Down Light 9 W (5 titik / unit)	:		630	9	5670,0					
	,	:				18774,0					
	Stk TV 70 W (2 titik / unit)	:		252	70	17640,0					
	Stk Kulkas 100 W (1 titk / unit )	:		126	100	12600,0					
	Stk Microwave 300 W ( 1 titik / unit )	:		126	300	37800,0					
	Stk Water heater 300 W ( 2 ttk / unit )	:		252	300	75600,0					
	Stk Dinding 200 W ( 7 titik / unit )	:		882	200	176400,0					
	AC 1 PK (750 W) - 2 Bh / unit	:		22	750	16500,0					

<b>I</b> JAYA CM		DATA TEKNIS PROYEK							
BIRO ENGINEERING	<u> </u>	APARTMENT EMPIRE			Halaman : Tanggal :				
AC 1/2 PK ( 375 W ) - 1 Bh / unit	- I.I	126	375	47250,0	ranggai .				
AC 1/2 FR (3/3 W) - 1 BH/ WHI		120	3/3	47230,0					
6 Unit 3,BR.= 267 unit	· ·								
Down Light 13 W (12 titik / unit )	· ·	3204	13	41652,0					
Down Light 9 W (5 titik / unit)	· ·	2403	9	21627,0					
Down Light of the ( o take, take)		2.00		63279,0					
Stk TV 70 W (2 titik / unit)		534	70	37380,0					
Stk Kulkas 100 W ( 1 titk / unit )		267	100	26700,0					
Stk Microwave 300 W ( 1 titik / unit )	1:	267	300	80100,0					
Stk Water heater 300 W ( 2 ttk / unit )	1:	534	300	160200,0					
Stk Dinding 200 W ( 8 titik / unit )	:	2136	200	427200,0					
,	:			, i					
AC 1 PK (750 W) - 2 Bh / unit	:	534	750	400500,0					
AC 1/2 PK (375 W) - 2 Bh / unit		534	375	200250,0					
, ,									
7 Penthouse 2.PH									
Down Light 13 W (11 titik / unit)		11	13	143,0					
Down Light 9 W (5 titik / unit)		5	9	45,0					
, , , , , , , , , , , , , , , , , , , ,	1:1			188,0					
Stk TV 70 W (3 titik / unit)		3	70	210,0					
Stk Kulkas 100 W (1 titk / unit)		1	100	100,0					
Stk Microwave 300 W (1 titik / unit)		1	300	300,0					
Stk Water heater 300 W ( 2 ttk / unit )		2	300	600,0					
Stk Dinding 200 W ( 7 titik / unit )		7	200	1400,0					
Oth Diriding 200 W ( 7 title / title )		,	200	1400,0					
AC 1 PK (2620 W) - 1 Bh / unit		1	2620	2620,0					
AC 1/2 PK (1440 W) - 1 Bh / unit		1	1440	1440,0					
AO 1/2 TR (1440 W ) - 1 Bill dillic		'	1440	1440,0					
8 Penthouse 3.PH.A									
Down Light 13 W (18 titik / unit)	<del>                                      </del>	18	13	234,0					
Down Light 9 W (9 titik / unit)	<del> </del>	9	9	81,0					
DOWN Light 9 VV (9 title / drift)	<del> </del>	9	9	315,0					
Stk TV 70 W (2 titik / unit)	<del> </del>	2	70	140,0					
Stk Kulkas 100 W (1 titk / unit)	<del>-  :    -  </del>	1	100	140,0					
Stk Microwave 300 W (1 titik / unit )	<del>                                      </del>	1	300	300,0					
Stk Water heater 300 W ( 2 ttk / unit )	<u> </u>	2	300	600,0					
Stk Water neater 300 W ( 2 ttk / unit ) Stk Dinding 200 W ( 8 titik / unit )	<u> </u>	8	200	1600,0					
Six Diriding 200 W ( o titik / titit )	<del>                                      </del>	8	200	1000,0					
AC 1 PK ( 3320 W ) - 1 Bh / unit	<del>                                      </del>	1	3320	3320,0					
AC 1/2 PK ( 3320 W ) - 1 Bh / unit	——————————————————————————————————————	1	2180	2180,0					
AC 1/2 PK (2100 W) - 1 BN / UNIT	——————————————————————————————————————	1	∠180	Z10U,U					
9 Penthouse 3.PH.B	——————————————————————————————————————			<del>                                     </del>					
	<del></del>	44	40	192.0					
Down Light 13 W (14 titik / unit)	<del></del>	14	13	182,0					
Down Light 9 W (7 titik / unit)	<del></del>	7	9	63,0					
C4k T\/ 70 \M / 2 4i4ik /is \	<del></del>	2	70	245,0					
Stk TV 70 W (2 titik / unit)	<u> </u> :		70	140,0					
Stk Kulkas 100 W (1 titk / unit)	<u> : </u>	1	100	100,0					
Stk Microwave 300 W ( 1 titik / unit )	<u> : </u>	1	300	300,0					
Stk Water heater 300 W ( 3 ttk / unit )		3	300	900,0					
Stk Dinding 200 W ( 8 titik / unit )	:	8	200	1600,0					
	:								
AC 1 PK (3320 W) - 1 Bh / unit	:	1	3320	3320,0					
AC 1/2 PK ( 2180 W ) - 1 Bh / unit	:	1	2180	2180,0					

	□ JAYA CM			DATA TEKNIS PROYE	≣K			Nomor : Halaman :		
	BIRO ENGINEERING				Tanggal :					
									·	
	Equipment Utama									
1	Trafo Empire	••	Trafindo	Trafo minyak	1	2000	KVA			
2	Panel TM ( 2		Scheneider	Indoor			Kubikal			
3	PUTR, CAP Bank		Hasna	Indoor			Kubikal			
4	Kabel Feeder		NA2XY	Kabelindo						

	Equipment Utama		MERK	TYPE	JUMLAH	SATUAN	KETERANGAN
5.1	SOUND SYSTEM						
	Power Amplifier	:			8	UNIT	
	MixerAmplifieer	:			4	UNIT	
	Zone Selector	:			1	UNIT	
	Audio Player	:			1	UNIT	
	Addio Flayer	:			'	OINIT	
1	Parkir Basement Empire	:					
	Ceiling speaker	:			8	Titik	
	Wall Speaker	:			2	Titik	
	Horn Speaker	:			14	Titik	
	Hom Speaker	:			14	TIUK	
2	Parkir Basement Victory	:					
	Ceiling speaker	:			4	Titik	
	Horn Speaker	:			5	Titik	
		:				TIMIX	
3	Parkir LG Empire	:					
	Ceiling speaker	:			14	Titik	
	Wall Speaker	:			3	Titik	
	Horn Speaker	:			9	Titik	
		:			-		
4	Parkir LG Victory	:					
	Ceiling speaker	:			5	Titik	
	Horn Speaker	:			3	Titik	
		:					
5	Parkir LGMP2 Empire	:					
	Ceiling speaker	:			11	Titik	
	Wall Speaker	:			5	Titik	
	Horn Speaker	:			8	Titik	
	Hom Speaker	:			0	TIUK	
6	Parkir LGMP2 Victory	:					
	Horn Speaker	:			2	Titik	
	Попт эреакег	:			2	TIUK	
7	Parkir LGMP1 Empire	:					
	Ceiling speaker	:			14	Titik	
	Wall Speaker	:			2	Titik	
	Horn Speaker	:			7	Titik	
	I Ioni Speakei	:			'	TIUK	
8	Parkir LGMP1 Victory	:					
	Horn Speaker	:	-		2	Titik	
	I Ioni Opeanei	:				TIUK	
9	Ground Floor - LX	:					
9		:			9	Titik	
	Ceiling speaker	:			9	HUK	

5,2 FIRE 1 Mas 2 Anu II Insta 1 Lant Smc ROF 2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 0 2 5 Lant 6 Unit	BIRO ENGINEERING  Intai 2 s/d 33 - Area Corridor  al = 32 lantai  ling speaker ( 9 titik/ lantai )  E ALARM  Ster Control Fire Alarm  Inciator Panel  alasi FireAlarm  tai Basement  oke Detector  R Detector  tai Lower Ground  oke Detector  R Detector  tai Lower Ground  oke Detector  R Detector  tai Mezanine		Context Plus Context Plus Context Plus Context Plus Context Plus	IFP Loop IFP Compact  D-213 D-103	288 288	Titik  Unit Unit	
5,2 FIRE 1 Mas 2 Anu II Insta 1 Lant Smc ROF 2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 0 2 5 Lant 6 Unit	al = 32 lantai ling speaker ( 9 titik/ lantai )  E ALARM  Ster Control Fire Alarm unciator Panel  alasi FireAlarm tai Basement oke Detector R Detector tai Lower Ground oke Detector R Detector R Detector	:	Context Plus  Context Plus	IFP Compact  D-213	1	Unit	
5,2 FIRE 1 Mas 2 Anu II Insta 1 Lant Smc ROF 2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc COF 5 Lant 6 Unit	E ALARM  Ster Control Fire Alarm  Inciator Panel  Italiasi FireAlarm  Itali Basement  oke Detector  R Detector  Itali Lower Ground  oke Detector  R Detector  R Detector	:	Context Plus  Context Plus	IFP Compact  D-213	1	Unit	
5,2 FIRE 1 Mas 2 Anui II Insta 1 Lant Smc ROF 2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 6 Unit 6,1 Unit	E ALARM  ster Control Fire Alarm  inciator Panel  alasi FireAlarm  tai Basement oke Detector  R Detector  tai Lower Ground oke Detector  R Detector		Context Plus  Context Plus	IFP Compact  D-213	1	Unit	
1 Mas 2 Anu II Insta 1 Lant Smc ROF 2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 6 Unit 6,1 Unit	ster Control Fire Alarm Inciator Panel  alasi FireAlarm Itai Basement Oke Detector R Detector Itai Lower Ground Oke Detector R Detector		Context Plus  Context Plus	IFP Compact  D-213			
1 Mas 2 Anu II Insta 1 Lant Smc ROF 2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 6 Unit 6,1 Unit	ster Control Fire Alarm Inciator Panel  alasi FireAlarm Itai Basement Oke Detector R Detector Itai Lower Ground Oke Detector R Detector		Context Plus  Context Plus	IFP Compact  D-213			
1 Mas 2 Anu II Insta 1 Lant Smc ROF 2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 6 Unit 6,1 Unit	ster Control Fire Alarm Inciator Panel  alasi FireAlarm Itai Basement Oke Detector R Detector Itai Lower Ground Oke Detector R Detector		Context Plus  Context Plus	IFP Compact  D-213			
Il Insta 1 Lant Smc ROF 2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 6 Unit 6,1 Unit	alasi FireAlarm tai Basement oke Detector R Detector tai Lower Ground oke Detector	: : : : : : : : : : : : : : : : : : : :	Context Plus  Context Plus	IFP Compact  D-213			
II Install Ins	alasi FireAlarm tai Basement oke Detector R Detector tai Lower Ground oke Detector R Detector	: : : : : : : : : : : : : : : : : : : :	Context Plus	D-213	1	Unit	
1 Lant Smc ROF 2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 5 Lant @ 2 Smc 6 Unit	tai Basement oke Detector R Detector tai Lower Ground oke Detector R Detector	: : : : : : : : : : : : : : : : : : : :					
1 Lant Smc ROF 2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 5 Lant @ 2 Smc 6 Unit	tai Basement oke Detector R Detector tai Lower Ground oke Detector R Detector	:				i	
Smc ROF  2 Lant Smc ROF  3 Lant Smc ROF  4 Lant Smc  5 Lant @ 2 Smc  6 Unit 6,1 Unit	oke Detector R Detector tai Lower Ground oke Detector R Detector	:					
2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 6 Unit 6,1 Unit	R Detector  tai Lower Ground oke Detector R Detector	:			1		
2 Lant Smc ROF 3 Lant Smc ROF 4 Lant Smc 5 Lant @ 2 Smc 6 Unit	tai Lower Ground oke Detector R Detector	:	Context Plus	D-103	36	Titik	
Smc ROF  3 Lant Smc ROF  4 Lant Smc	oke Detector R Detector	:		D-100	117	Titik	
Smc ROF  3 Lant Smc ROF  4 Lant Smc	oke Detector R Detector	:					
3 Lant Smc ROF 4 Lant Smc 5 Lant @ 2 Smc 6 Unit	R Detector						
3 Lant Smc ROF 4 Lant Smc 5 Lant @ 2 Smc 6 Unit			Context Plus	D-213	36	Titik	
Smc ROF 4 Lant Smc 5 Lant @ 2 Smc 6 Unit 6,1 Unit	tai Mezanine	: ]	Context Plus	D-103	117	Titik	
4 Lant Smc 5 Lant @ 2 Smc 6 Unit 6,1 Unit	tai Mezanine	:					
4 Lant Smo 5 Lant @ 2 Smo 6 Unit 6,1 Unit		:					
4 Lant Smc 5 Lant @ 2 Smc 6 Unit 6,1 Unit	oke Detector	:	Context Plus	D-213	42	Titik	
5 Lant @ 2 Smc 6 Unit 6,1 Unit	R Detector	:	Context Plus	D-103	48	Titik	
5 Lant @ 2 Smc 6 Unit 6,1 Unit		:					
5 Lant @ 2 Smc 6 Unit 6,1 Unit	tai Ground	:					
@ 2 Smc 6 Unit 6,1 Unit	oke Detector	:	Context Plus	D-213	54	Titik	
@ 2 Smc 6 Unit 6,1 Unit		:					
6 Unit	tai 2 s/d 30 area loby & Corridor	:					
6 Unit 6,1 Unit	29 Lt/Tower x 2 Tower = 58 Lantai	:					
6,1 Unit	oke Detector ( 6 titik / lantai )	:	Context Plus	D-213	348	Titik	
6,1 Unit		:					
	t Apartemen	:					
Smo	t 2BR ( 2BR.A ) = 113 unit	:					
	oke Detector ( 1 titik / lantai )	:	Context Plus	D-213	113	Titik	
	ed heat Detector ( 1 tititk/unit )	:	Context Plus	D-103	113	Titik	
ROF	R Detector ( 3 titik / unit )	:	Context Plus	D-103	339	Titik	
0.0 11.0	(000 (000 0) - 50 - 11	:					
	t 2BR ( 2BR.B ) = 58 unit	-   :	O t . t Bl	D 040	- 50	T:::1	
	oke Detector ( 1 titik / lantai )	- :	Context Plus	D-213	58	Titik	
	ed heat Detector (1 tititk/unit)	- :	Context Plus	D-103	58	Titik	
KOF	R Detector ( 3 titik / unit )	-   :	Context Plus	D-103	174	Titik	
6.2 11:3	+ 2DD / 2DD A \ 220nit	+:-					
	t 3BR ( 3BR.A ) = 226 unit	-   :	Contact Dive	D 242	450	Tial) -	
	oke Detector ( 2 titik / lantai )	+: $+$ : $+$ : $+$ : $+$ : $+$ : $+$ : $+$ : $+$ : $+$ :	Context Plus Context Plus	D-213	452	Titik	
	ed heat Detector ( 1 tititk/unit )	<del>-   :  </del>		D-103	226	Titik	
ROF	R Detector ( 4 titik / unit )	+	Context Plus	D-103	904	Titik	
6 4 11=:4	,	-   :					
	,	+ :	Context Plus	D-213	232	Titil	
	t 3BR ( 3BR.B ) = 116 unit		Context Plus  Context Plus	D-213 D-103	116	Titik	
	t 3BR ( 3BR.B ) = 116 unit oke Detector ( 2 titik / lantai )			D-103 D-103	580	Titik	
Tota	t 3BR ( 3BR.B ) = 116 unit	- :	Context Plus			Titik	

Nomor : Halaman : Tanggal :

□ IAYA CM		Nomor :					
JATA CIT		Halaman :					
BIRO ENGINEERING	APARTMENT EMPIRE T						
					1		

		:				
5,3	ССТУ					
ī	Peralatan Utama	:				
1	Digital Vidio Recorder ( DVR )	:		12	Unit	
2	Led Monitor CCTV 32 Inch	:		24	Unit	
3	Personil Computer	:		1	Unit	
		:				
1	Parkir Basement	:				
	CCTV Loby lift & Parkir	:		10	Titik	
		:				
2	Parkir LG	:				
	CCTV Loby lift & Parkir	:		9	Titik	
		:				
3	Parkir LGM.P2	:				
	CCTV Loby lift & Parkir	:		10	Titik	
		:				
4	Parkir LGMP.1	:				
	CCTV Loby lift & Parkir	:		13	Titik	
		:				
5	Ground Floor	:				
	CCTV Loby lift & Canopy	:		5	Titik	
	CCTV Entrance	:		1	Titik	
	CCTV Car Lift	:		5	Titik	
		:				
6	Lantai 2 s/d 33 ( Arae Loby & Corridor )	:				
	Total = 32 lantai	:				
	CCTV Loby lift (2 titik / lantai)	:		64	Titik	
	CCTV Corridor ( 2 titik / lantai )	:		64	Titik	_
		l: _				

EQUIPMENT UTAMA			MERK	TYPE	JUMLAH	KAPASITAS	SATUAN	DAYA	SATUAN	KETERANGAN
Kapasitas Ground Reservoir		:	CONCRETE WATER PROOF	CONCRETE WATER PROOF	1	985	М3	N/A	МЗ	1 GWT untuk 2 tower
	TOWER 1	1:	-	FRP Panel	1	30	М3	N/A	M3	EMPIRE
	TOWER 2	:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Kapasitas Reservoir Atas	TOWER 3	1:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	TOWER 4	:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	TOWER 5	:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Kapasitas RWT			CONCRETE WATER PROOF	CONCRETE WATER PROOF	1	96	M3	N/A	МЗ	RAW WATER
Kapasitas CWT			N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Kapasitas WTP		:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Pompa WTP			N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Pompa Air Bersih		:	-	Vertical multi stage	2	15	m3/jam	13,5	KW	
Pompa Sumpit		:	-	Submersible	6	50	LPM	2,2	KW	
Pompa Grease Trap		:	-	-	-	-	-	-	-	
	AB	:	-	PPR PN 10, PN 20			N/A	N/A	N/A	
	AK	:	-	PVC AW Class 10 kg/cm2						
	ABK	:	-	PVC AW Class 10 kg/cm2						
PIPA	ABD	:	-	PVC AW Class 10 kg/cm2						
	AH	:	-	PVC AW Class 10 kg/cm2						
	RISER AB	:	-	PPR						
	R. POMPA AB	1:	-	Galvenized						

I JAYA CM			DATA TEKNIS PROYEK									
BIRO ENGINEERING					Tanggal :							
	R. POMPA AB		-	Gate valve								
VALVE	PRV		-	Membrane (pilot operated)								
PRV			-	Membane (pilot Operated)								
STP	1	:	-	Extended Aeration + MBR System	1	217	m3 / Hari			Untuk kapasita	s STP EMPIRE & VICTORY	
317	2	:	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	3	:	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
				UKURAN								
Ukuran Grease Trap		:		N/A	N/A	N/A	N/A	N/A	N/A			
Ukuran Sumpit			1600 mn	n x 600 mm x 1000 mm	2	N/A	N/A	N/A	N/A			
Okuran Sumpit		:	1000mm	x 1000mm x 1000mm	4	N/A	N/A	N/A	N/A			

6	FIRE FIGHTING									
	EQUIPMENT UTAMA			MERK	TYPE	JUMLAH	KAPASITAS (GPM)	DAYA (KW)	M3/H	KETERANGAN
		JOCKEY		-	Vertical multistage	1	10	3,5		
	Pompa Fire Fighting I	ELECTRIC	:	-	Horizontal split case	1	1.000	282	230	
		DIESEL	:	-	Horizontal split case	1	1.000	378 HP		
		JOCKEY	:	N/A	N/A	N/A	N/A	N/A		
	Pompa Fire Fighting II	ELECTRIC	:	N/A	N/A	N/A	N/A	N/A		
		DIESEL	:	N/A	N/A	N/A	N/A	N/A		
	Kapasitas Fire Tank	I		CONCRETE WATER PROOF	CONCRETE WATER PROOF	1	227	М3		
		II		N/A	N/A	N/A	N/A	N/A		
				N/A	N/A	N/A	N/A	K FACTOR	WARNA	
		TOWER EMPIRE	:							
		UNIT 1 BR A1		-	Pendent	4	N/A	5,6	Merah	
		UNIT 1 BR A2		-	Pendent	4	N/A	5,6	Merah	
		UNIT 1 BR BA		-	Pendent	5	N/A	5,6	Merah	
		UNIT 1 BR BB		-	Pendent	5	N/A	5,6	Merah	
		UNIT 2 BR		-	Pendent	8	N/A	5,6	Merah	
		UNIT 3 BR A		-	Pendent	11	N/A	5,6	Merah	
		UNIT 2 PH (PENTHOUSE)		-	Pendent	8	N/A	5,6	Merah	
		UNIT 3 PH (PENTHOUSE)		-	Pendent	13	N/A	5,6	Merah	
	Springkler	Unit 3BR		Total Jumlah titik sprinkelr unit 3BR			Titik			
		Koridor Unit		-	Pendent	11	N/A	5,6	Merah	
		LANTAI DASAR								
		Lobby Empire		-	Ceiling concealed	9	N/A	5,6	Merah	
		Koridor Lobby		-	Pendent	6	N/A	5,6	Merah	
		Total Sprinkler Publik								
		PARKIRAN	:	-	Upright		N/A	5,6	Merah	

🔃 JAYA CM			DATA TEKNIS PROYEK										
<i>y</i> 1111 3111				DAIA	LINIO I NO II				Halaman	:			
BIRO ENGINEERING			APARTMENT EMPIRE										
BOX HIDRANT			-	IHB & OHB	-	N/A	N/A	Merah					
HYDRANT PILLAR			-	Short Two Way	1	N/A	N/A	Merah					
SEAMESE			-	Short Two Way	1	N/A	N/A	Merah					
PIPA	FF RISER		-	Sch. 40									
	FF SETELAH PRV			Medium									
	R. POMPA		-	Gate Valve									
VALVE	INSTALASI		-	Gate Valve									
MCV	MCV		-	Class 20K HZ, 16K LZ									
BCV			-	Class 16k									
PRV			-	Diaprahma									
			MERK	TYPE	JUMLAH	KAPASITAS (CMH)	DAYA (KW)						
	Southern & Northern	:											
_	PRESSURIZED		-	AXIAL ADJ. PITCH	2	27000 CFM	15						
Fan	SMOKE EXTRACT		-	AXIAL ADJ. PITCH	2	32000 CFM	15						
	EXHAUST GARBAGE		-	AXIAL ADJ. PITCH	1	4800 CFM	1,1						

7 VENTILATION & AIR CONDITI	ON		MERK	TYPE	JUMLAH	KAPASITAS (Jumlah 1 Unit/ 1 Area)	SATUAN	DAYA	SATUAN	KETERANGAN
Chiller	apasitas Pompa Chiller HU/ FCU		N/A	N/A	N/A	N/A	N/A	N/A	KW	
Kapasitas Pompa Chiller			N/A	N/A	N/A	N/A	N/A	N/A	KW	·
AHU/ FCU			N/A	N/A	N/A	N/A	N/A	N/A	KW	
Cooling Tower		:	N/A	N/A	N/A	N/A	N/A	N/A	KW	
AC Unit Total	Tower Empire									
	UNIT 1 BR A1									
	Living room		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	Bedroom		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	UNIT 1 BR A2									
	Living room		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	Bedroom		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	1 BR-BA									
	Living room		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	Bedroom		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	1 BR-BB									
	Living room		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	Bedroom		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	2 BR-BB									
	Living room		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	Bedroom 1		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	Bedroom 2		-	Split Wall	1	4.500	BTU/H	0,68	KW	
AC Unit	3 BR-BA									
AC OIII	Living room		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	Bedroom 1		-	Split Wall	1	9.000	BTU/H	0,84	KW	
	Bedroom 2		-	Split Wall	1	4.500	BTU/H	0,68	KW	
	Bedroom 3		-	Split Wall	1	4.500	BTU/H	0,68	KW	

	<b>I</b> JAYA CM					DATA	TEKNIS PROYE	К				Nomor Halaman	:
	BIRO ENGINEERING		APARTMENT EMPIRE										:
		PENTHOUSE											
		TIPE 2 PH											
		Living room		-	Multi Split Wall	1	13.500	BTU/H	2,6	KW			
		Bedroom		-	Multi Split Wall	1	9.000	BTU/H	2,0	IXVV			
		Living room		-	Multi Split Wall	1	7.000	BTU/H	1,4	KW			
		Bedroom		-	Multi Split Wall	1	9.000	BTU/H	1,1	1000			
		TIPE 3 PH											
		Living room		-	Multi Split Wall	1	18.000	BTU/H	1	KW			
		Bedroom		-	Multi Split Wall	1	7.000	BTU/H	0,68	KW			
		Bedroom		-	Multi Split Wall	1	9.000	BTU/H	1,4	KW			
		Bedroom		-	Multi Split Wall	1	7.000	BTU/H					
		Total kapasitas AC 3BR											
		SDK				INDOOR	KAP INDOOR / UNIT						
						32	25000	BTUH	140	WATT			
	AC Public Total	Lift Lobby Empire	9	-	VRV	OUTDOOR	KAP OUTDOOR / UNIT						
						4	200000	BTUH	18,2	KW			
		Lantai Dasar											
		Lift Lobby Empire											
		Dublic Francisco		-	Split Duct	1	150.000	BTU/H	15,7	KW			
		Public Empire											
		AC lobby Lift BS - LGMP1		-	Ceiling Cassette	4	40.000	BTU/H	4,2	KW			
		Total kapasitas AC publik											
	REFRIGERANT	145 BABIGB			0		40000 0 000	0514		0.411			
		IAF PARKIR	:	-	Centrifugal	8	18000 & 36000	CFM	F.conv	CMH			
						7	18.000	126000	0,588	74088	+		
						1	36.000	36000 Total	0,588	21168 95256	+		
		EAF PARKIR		-	AXIAL & Centrifugal	4	36000 & 54000	CFM	_	95256 KW	+		
					, stirte a continugal	1	54.000	54000	0,588	31752			
						3	36.000	108000	0,588	63504			
	Fan					-		Total	-,	95256			
		JET FAN		-	BOOSTER	12	2.600	31200	0,588	18345,6	LEVEL BASEN		
				-	BOOSTER	8	2.600	20800	0,588	12230,4	LEVEL LOWER		
				-	BOOSTER	9	2.600	23400	0,588	13759,2	LEVEL LGMP2		
				-	BOOSTER	9	2.600	23400	0,588	13759,2	LEVEL LGMP1		
		Toilet Unit 3BR				1	100	100	0,588	58,8			
	DID.	CHWS	Щ	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	PIPA	CHWR		N/A	N/A	N/A	N/A	N/A	N/A	N/A			
		REFRIGERANT		-	INTEGRATED								

	□ JAYA CM			DATA TEKNIS PROYEK										
	BIRO ENGINEERING	<b>S</b>		APARTMENT EMPIRE										
8	ELEVATOR & ESCALATOR			MERK	ТҮРЕ	JUMLAH	KAPASITAS (KG)	KAPASITAS (PERSON)	KECEPATAN (MPM)	DAYA (KW)	KETERANGAN			
	Low Zone Elevator		:											
		TOWER 1	:	MITSUBISHI	LIFT PENUMPANG	4	1.350	20	150	20 KVA/UNIT	LIFT TOWER EMPIRE			
	High Zone Elevator	TOWER 2	:	-	-	-	-	-	-	-				
		TOWER 3	:	-	-	-	-	-	-					
		TOWER 1	:	MITSUBISHI	LIFT SERVICE (LIFT FIRE)	1	1.275	17	120	15 kVA/Unit	LIFT TOWER EMPIRE			
	Service Lift	TOWER 2	:	-	-	-	-	-	-	-				
		TOWER 3	:	-	-	-	-	-	-	-				
	Escalator		:	-	-	-	-	-	-	-				
	Kemiringan Escalator		:	-	-	-	-	-	-	-				
	Ketinggian Escalator		:	-	-	-	-	-	-	-				
	Travelator		:	-	-	-	-	-	-	-				
	Kemiringan Travelator		:	-	-	-	-	-	-	-				
_	Ketinggian Travelator		:	-	-	-	-	-	-	-				
9	9 GEN SET			MERK	TYPE	JUMLAH	KAPASITAS (KVA)	Total (KVA)						
	Gen Set		:	MITSUBISHI	-	2	1450	2900	Untuk tower Empire & Victory	Bila lebih da	ari 1 type rinci masing-masing type dan jumlahnya			