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3. Rencana Penerangan Lantai 2
4. Rencana Penerangan Lantai 3
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4. Rencana Kotak Kontak Lantai 3
5. Rencana Kotak Kontak Lantai 4
6. Rencana Kotak Kontak Lantai 5
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













9. Rencana Kotak Kontak Lantai 8
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SIMBOL DAN KETERANGAN GAMBAR

1. Simbol Penerangan dan Kotak Kontak

NO	SIMBOL	KETERANGAN	DAYA (W)	LUMEN
1		DOWNLIGHT LED SPOT 5W	5W	375
2		DOWNLIGHT LED SPOT 8W	8W	600
3		LED Lamps 10W COOL DAYLIGHT	10W	1000
4		LED Lamps 10W COOL DAYLIGHT + BATTERY	10W	1000
5		LED Lamps 14W COOL DAYLIGHT	14W	1400
6		LED Lamps 14W COOL DAYLIGHT + BATTERY	14W	1400
7		LED TB 9W (ARMATUR BALK OVAL / BAMBU)	9W	940
8		LED TB 9W (ARMATUR BALK OVAL / BAMBU) + BATTERY	9W	940
9		LED TB 18W (ARMATUR BALK OVAL / BAMBU)	18W	1840
10		LED TB 18W (ARMATUR BALK OVAL / BAMBU) + BATTERY	18W	1840
11		ROUND LAMP	5W	375
12		SAKLAR TUNGGAL	-	-
13		SAKLAR GANDA	-	-
14		SAKLAR HOTEL TUNGGAL	-	-
15		SAKLAR GANGS/GRID SWITCH	-	-
16		KOTAK KONTAK DINDING 1 FASA (T=40CM)	100W	-
17		KOTAK KONTAK DINDING 1 FASA (T=150CM)	100W	-
18		KOTAK KONTAK LANTAI 1 FASA	100W	-
19		KOTAK KONTAK SERVER LANTAI 1 FASA	200W	-
20		KOTAK KONTAK LCD PROYEKTOR 1 FASA	125W	-

2. Gambar Penerangan dan Kotak Kontak








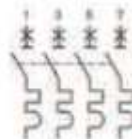
No	Gambar	Spesifikasi dan Keterangan
1		<p>Nama Armatur: - Downlight PLC</p> <p>Jenis Lampu: - LED Lamps 10W Cool Daylight - LED Lamps 10W Warm White - LED Lamps 14W Cool Daylight - LED Lamps 14W Warm White</p>
2		<p>Nama Armatur: - Downlight Spotlight</p> <p>Jenis Lampu: - Spotlight 5W/12V - Spotlight 8W/12V</p>
3		<p>Nama: Emergency Kit Battery</p>
4		<p>Nama Armatur: - Bambu</p> <p>Jenis Lampu: - LED T8 9W - LED T8 18W</p>
5		<p>Nama Armatur: - Balk</p> <p>Jenis Lampu: - LED T8 9W - LED T8 18W</p>

6		<p>Nama: Saklar Tunggal</p>
7		<p>Nama: Saklar Ganda</p>
8		<p>Nama: Grid Switch (Saklar Grup)</p>
9		<p>Nama: Outlet Kotak Kontak Dinding (Inbow)</p>
10		<p>Nama: Kotak Kontak Outbow</p>

11		Nama: Kotak Kontak Lantai
12		Nama Armatur: - Wall Lamp-Xeon Stripe Jenis Lampu: - LED 5W
13		Nama Armatur: - Step Lamp-Xeon Flat Jenis Lampu: - LED 5W

BROSUR

1. Brosur MCB Schneider Electric

	Kutub	Pengenal (A)	Referensi	Harga (Rp)	SS
 <p>MCB IC60N 1 Kutub</p>		1	A9F74101	112,750	1
		2	A9F74102	112,750	1
		3	A9F74103	112,750	1
		4	A9F74104	112,750	1
		6	A9F74106	102,850	1
		10	A9F74110	102,850	1
		16	A9F74118	102,850	1
		20	A9F74120	102,850	1
		25	A9F74125	107,800	1
		32	A9F74132	123,200	1
		40	A9F74140	128,150	1
		50	A9F74150	174,350	1
		63	A9F74183	205,150	1
 <p>MCB IC60N 2 Kutub</p>		1	A9F74201	314,050	1
		2	A9F74202	314,050	1
		3	A9F74203	314,050	1
		4	A9F74204	314,050	1
		6	A9F74206	281,800	1
		10	A9F74210	281,800	1
		16	A9F74216	281,800	1
		20	A9F74220	281,800	1
		25	A9F74225	324,500	1
		32	A9F74232	350,350	1
		40	A9F74240	366,300	1
		50	A9F74250	397,650	1
		63	A9F74263	429,000	1
 <p>MCB IC60N 3 Kutub</p>		1	A9F74301	468,050	1
		2	A9F74302	468,050	1
		3	A9F74303	468,050	1
		4	A9F74304	468,050	1
		6	A9F74306	397,650	1
		10	A9F74310	397,650	1
		16	A9F74316	397,650	1
		20	A9F74320	397,650	1
		25	A9F74325	427,350	1
		32	A9F74332	433,850	1
		40	A9F74340	455,300	1
		50	A9F74350	551,750	1
		63	A9F74363	792,550	1
 <p>MCB IC60N 4 Kutub</p>		1	A9F74401	552,750	2
		2	A9F74402	552,750	2
		3	A9F74403	552,750	2
		4	A9F74404	552,750	2
		6	A9F74406	494,450	1
		10	A9F74410	494,450	1
		16	A9F74416	494,450	1
		20	A9F74420	494,450	1
		25	A9F74425	541,750	1
		32	A9F74432	550,650	1
		40	A9F74440	559,450	1
		50	A9F74450	959,100	1
		63	A9F74463	1,120,900	1

2. Brosur MCCB EasyPact s/d 100A, 10-30 kA Schneider Electric



EZC100F, 3P

EZC100F - 10 kA

EZC100F	15	EZC100F3015	641,300	1
EZC100F	20	EZC100F3020	641,300	1
EZC100F	25	EZC100F3025	641,300	1
EZC100F	30	EZC100F3030	641,300	1
EZC100F	40	EZC100F3040	641,300	1
EZC100F	50	EZC100F3050	641,300	1
EZC100F	60	EZC100F3060	709,500	1
EZC100F	75	EZC100F3075	709,500	1
EZC100F	80	EZC100F3080	709,500	1
EZC100F	100	EZC100F3100	709,500	1



EZC100N, 3P

EZC100N - 18 kA (380V) / 15 kA (400/415V)

EZC100N	15	EZC100N3015	794,750	1
EZC100N	20	EZC100N3020	794,750	1
EZC100N	25	EZC100N3025	794,750	1
EZC100N	30	EZC100N3030	794,750	1
EZC100N	40	EZC100N3040	794,750	1
EZC100N	50	EZC100N3050	794,750	1
EZC100N	60	EZC100N3060	868,450	1
EZC100N	75	EZC100N3075	868,450	1
EZC100N	80	EZC100N3080	868,450	1
EZC100N	100	EZC100N3100	868,450	1



EZC100H, 2P

EZC100H - 30 kA

EZC100H	15	EZC100H2015	822,800	2	EZC100H3015	926,750	1
EZC100H	20	EZC100H2020	822,800	2	EZC100H3020	926,750	1
EZC100H	25	EZC100H2025	822,800	2	EZC100H3025	926,750	1
EZC100H	30	EZC100H2030	822,800	2	EZC100H3030	926,750	1
EZC100H	40	EZC100H2040	822,800	2	EZC100H3040	926,750	1
EZC100H	50	EZC100H2050	822,800	2	EZC100H3050	926,750	1
EZC100H	60	EZC100H2060	822,800	2	EZC100H3060	1,018,050	1
EZC100H	75	EZC100H2075	822,800	2	EZC100H3075	1,018,050	1
EZC100H	80	EZC100H2080	822,800	2	EZC100H3080	1,018,050	1
EZC100H	100	EZC100H2100	822,800	2	EZC100H3100	1,018,050	1

3. Brosur MCCB EasyPact s/d 250A, 18-36 kA Schneider Electric



EZC250F, 3P

EasyPact	Ir (A)	2P	Harga (Rp)	SS	3P	Harga (Rp)	SS
EZC250F - 18 kA							
EZC250F	100				EZC250F3100	1,361,800	1
EZC250F	125				EZC250F3125	1,392,600	1
EZC250F	160				EZC250F3160	1,432,200	1
EZC250F	200				EZC250F3200	1,507,550	1
EZC250F	225				EZC250F3225	1,507,550	1
EZC250F	250				EZC250F3250	1,507,550	1

EZC250N - 25 kA							
EZC250N	100				EZC250N3100	1,450,350	1
EZC250N	125				EZC250N3125	1,519,100	1
EZC250N	160				EZC250N3160	1,582,900	1
EZC250N	200				EZC250N3200	1,884,850	1
EZC250N	225				EZC250N3225	1,884,850	1
EZC250N	250				EZC250N3250	1,884,850	1



EZC250N, 3P

EZC250H - 36 kA							
EZC250H	100	EZC250H2100	1,533,950	2	EZC250H3100	1,684,100	1
EZC250H	125	EZC250H2125	1,533,950	2	EZC250H3125	1,737,450	1
EZC250H	160	EZC250H2160	1,602,700	2	EZC250H3160	1,884,850	1
EZC250H	200	EZC250H2200	1,679,900	2	EZC250H3200	1,960,200	1
EZC250H	225	EZC250H2225	1,679,900	2	EZC250H3225	1,960,200	1
EZC250H	250	EZC250H2250	1,679,900	2	EZC250H3250	1,960,200	1

4. Brosur MCCB Compact 400 s/d 630A, 36 kA Schneider Electric



Compact NSX400/630 Micrologic 2.3



Compact NSX400/630 Micrologic 5.3

Compact NSX400/630 F

Dirancang dengan teknologi pemutusan Roto-Active, memberikan kehandalan dalam "Current Limiting Capacity".⁽¹⁾

- Arus Nominal (In) : NSX400 : 400 A.
NSX630 : 630 A.
- Kapasitas Pemutusan : 36 kA pada 380/415 VAC.
- Ics = 100% Icu.⁽²⁾
- Trip unit :
- **Micrologic 2.3** : Electronic trip unit dengan proteksi LSol untuk beban distribusi.
- **Micrologic 5.3 A** : Electronic trip unit dengan proteksi LSI dan Ammeter untuk beban distribusi.
 - Fixed type, front connection.
 - Memenuhi standar IEC 60947-2.

Trip Unit	Ir (A)	Im (A)	3P	Harga (Rp)	SS	4P	Harga (Rp)	SS
Compact NSX400F - 36 kA								
Micrologic 2.3	160-400	1,5-10 Ir	LV432676	6,046,700	1	LV432677	7,307,300	1
Micrologic 5.3 A	160-400	1,5-10 Ir	LV432678	8,693,300	2	LV432679	10,150,250	2
Compact NSX630F - 36 kA								
Micrologic 2.3	250-630	1,5-10 Ir	LV432876	9,297,750	1	LV432877	13,594,350	1
Micrologic 5.3 A	250-630	1,5-10 Ir	LV432878	11,167,300	2	LV432879	14,835,700	2

Catatan :

- (1) Dengan teknologi ini, arus hubung singkat sebesar 150 kA dapat diputuskan hanya dalam waktu 4.8 millidetik.
- (2) Ics = Service Breaking Capacity, Icu = Ultimate Breaking Capacity.
- (3) Silakan hubungi kami.

5. Brosur ACB Masterpact 800 s/d 6300A, 65kA - 100kA Schneider Electric

Masterpact NW Tipe H1 + Micrologic 2.0E



Masterpact NW

- Arus nominal : 800A s/d 6300A.
- Kapasitas Pemutusan : 65 kA s/d 100 kA pada 380/415V .
- Ics = 100% Icu.
- Trip unit **Micrologic 2.0E** , memiliki 3 setelan :
 - long time protection (proteksi beban lebih) : $I_r = 0.4 I_n$ s/d I_n dengan 9 setelan.
 - time delay untuk long time protection (t_r).
 - instantaneous protection (proteksi hubung singkat) : $I_{sd} = 1.5 I_r$ s/d $10 I_r$ dengan 9 setelan.
- Dilengkapi dengan **ammeter**⁽¹⁾ untuk menampilkan besar arus tiap fase.
- Dilengkapi dengan **voltmeter** untuk menampilkan besar tegangan tiap fase, fasa dengan netral, tegangan rata-rata⁽²⁾ dan tegangan tidak stabil⁽²⁾.
- Dilengkapi dengan **powermeter** untuk menampilkan instaneous power (P, Q, S), faktor daya (PF), kebutuhan power.
- Dilengkapi dengan **energymeter** untuk menampilkan energi EP, EQ⁽²⁾, ES⁽²⁾.
- 3 atau 4 pole , fixed atau drawout type.
- Memenuhi standar IEC 60947-2.

Spesifikasi standar :

- Mekanisme pegas dengan sistem energi tersimpan.
- Horizontal rear connection.
- Auxiliary switches (4 changeover contact OF + SDE).
- Arc chute cover dan safety shutter untuk drawout type.



Micrologic 2.0E

In (A)	Icu (kA)	3P Referensi	Harga (Rp)	SS	4P Referensi	Harga (Rp)	SS	
Fixed type								
NW08	800	85	NW08H13F2EH	29,762,700	1	NW08H14F2EH	36,553,550	1
NW10	1000	85	NW10H13F2EH	31,961,050	1	NW10H14F2EH	39,187,500	1
NW12	1250	85	NW12H13F2EH	32,593,000	1	NW12H14F2EH	40,284,750	1
NW16	1600	85	NW16H13F2EH	38,811,850	1	NW16H14F2EH	48,477,000	1
NW20	2000	85	NW20H13F2EH	44,203,500	1	NW20H14F2EH	57,809,950	1
NW25	2500	85	NW25H13F2EH	57,120,250	1	NW25H14F2EH	67,668,150	1
NW32	3200	85	NW32H13F2EH	63,183,450	1	NW32H14F2EH	79,928,200	1
NW40	4000	85	NW40H13F2EH	112,939,750	1	NW40H14F2EH	135,153,700	1
NW40b	4000	100	NW40bH13F2EH	136,876,850	1	NW40bH14F2EH	167,959,550	1
NW50	5000	100	NW50H13F2EH	164,457,700	1	NW50H14F2EH	203,516,500	1
NW63	6300	100	NW63H13F2EV ⁽³⁾	223,952,300	1	NW63H14F2EV ⁽³⁾	234,467,750	1

Drawout type

NW08	800	85	NW08H13D2EH	35,986,500	1	NW08H14D2EH	53,736,100	1
NW10	1000	85	NW10H13D2EH	37,186,600	1	NW10H14D2EH	56,502,600	1
NW12	1250	85	NW12H13D2EH	38,385,050	1	NW12H14D2EH	57,050,400	1
NW16	1600	85	NW16H13D2EH	46,574,550	1	NW16H14D2EH	62,229,750	1
NW20	2000	85	NW20H13D2EH	48,941,750	1	NW20H14D2EH	74,060,250	1
NW25	2500	85	NW25H13D2EH	60,547,850	1	NW25H14D2EH	93,426,850	1
NW32	3200	85	NW32H13D2EH	67,128,050	1	NW32H14D2EH	98,721,700	1
NW40	4000	85	NW40H13D2EH	132,964,050	1	NW40H14D2EH	164,749,750	1
NW40b	4000	100	NW40bH13D2EH	158,376,350	1	NW40bH14D2EH	199,555,400	1
NW50	5000	100	NW50H13D2EH	209,190,850	1	NW50H14D2EH	257,308,150	1
NW63	6300	100	NW63H13D2EV ⁽³⁾	259,963,000	1	NW63H14D2EV ⁽³⁾	324,951,550	1

6. Brosur Box Panel Wall Mounted Schneider Electric

Data Teknis



Panel Spacial CRN

- Mounting : Wall Mounted
- Indeks proteksi : IP 66 untuk panel dengan 1 pintu
IP 55 untuk panel dengan 2 pintu
IK 10 untuk pintu polos
IK 08 untuk pintu kaca
- Warna : RAL 7035
- Standard : IEC 62208, UL, CUL, BV, DNV, GL, RoHS
- Material : Steel

Panorama Produk CRN

Tinggi	Dimensi Eksternal Lebar	Dalam	Jumlah Pintu	Referensi	Harga (Rp)	SS
300	250	150	1	NSYCRN325150	638,550	1
		200	1	NSYCRN33200	742,500	1
		400	1	NSYCRN34200	848,650	2
400	300	200	1	NSYCRN43200	836,000	1
500	400	200	1	NSYCRN54200	999,900	1
		250	1	NSYCRN54250	1,091,750	1
600	400	200	1	NSYCRN64200	1,187,450	1
		250	1	NSYCRN64250	1,301,850	1
	600	300	1	NSYCRN68300	1,595,550	1
700	500	250	1	NSYCRN75250	1,557,600	1
800	600	200	1	NSYCRN86200	1,777,050	1
		250	1	NSYCRN86250	1,965,150	1
		300	1	NSYCRN86300	2,641,100	1
		400	1	NSYCRNG86400	3,655,850	2
1000	800	250	1	NSYCRN106250	2,918,850	1
	800	300	1	NSYCRN106300	3,455,100	1
		400	1	NSYCRNG106400	3,735,600	2
1200	800	300	1	NSYCRNG128300	4,280,650	2
		400	1	NSYCRNG128400	4,836,150	2
	1000	300	2	NSYCRNG1210300D	6,888,200	2

7. Brosur MCB Box Schneider Electric



New Mini Pragma
Pintu Semi Transparan

Pintu Semi Transparan

Tipe	Jumlah baris	Kapasitas dalam modul 18 mm	Dimensi (mm)			Referensi	Harga (Rp)	SS
			T	L	Tb			
Pasangan permukaan (Outbow)	1	4	198	124	95	MIP12104T	191,950	1
	1	6	198	160	95	MIP12106T	204,050	1
	1	8	228	196	101.5	MIP12108T	249,150	1
	1	12	228	268	101.5	MIP12112T	317,900	1
	1	18	228	378	101.5	MIP12118T	443,300	1
	2	24	353	268	102	MIP12212T	386,650	1
Pasangan tertanam (Inbow)	3	36	478	267	102	MIP12312T	700,150	1
	1	4	252	150	98	MIP22104T	204,600	1
	1	6	252	186	98	MIP22106T	238,150	1
	1	8	252	222	98	MIP22108T	224,950	1
	1	12	252	294	98	MIP22112T	266,750	1
	1	18	252	402	98	MIP22118T	376,200	1
	2	24	377	294	98	MIP22212T	396,550	1
3	36	502	294	98	MIP22312T	570,350	1	

8. Brosur Kabel NYM 3 x (1.5-35) mm²

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Insulation	Inductance (mH/km)	Current-Carrying Capacity at 30° C * in air Max. (A)	Short circuit current at 1 sec Max. (kA)
	DC Resistance at 20° C Max. (Ω/km)	AC Resistance at 70° C Max. (Ω/km)	Insulation Resistance at 70° C Min. (M.Ω.km)			
	1.5	12.1	14.478			
2.5	7.41	8.866	0.009	0.318	25	0.29
4	4.61	5.516	0.0077	0.297	34	0.46
6	3.08	3.685	0.0065	0.281	44	0.69
10	1.83	2.190	0.0065	0.278	61	1.15
16	1.15	1.376	0.0052	0.255	82	1.84
25	0.727	0.870	0.0050	0.252	108	2.88
35	0.524	0.627	0.0044	0.244	134	4.03




9. Brosur Kabel NYY 3 x (1.5-400) mm²

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec Max. (kA)
	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 70°C Max. (Ω/km)		in air Max. (A)	in ground Max. (A)	
	1.5	12.1		14.478	0.328	
2.5	7.41	8.866	0.304	26	31	0.29
4	4.61	5.516	0.303	34	40	0.46
6	3.08	3.685	0.288	44	50	0.69
10	1.83	2.190	0.269	60	68	1.15
16	1.15	1.376	0.255	79	88	1.84
25	0.727	0.870	0.255	105	114	2.88
35	0.524	0.627	0.246	129	137	4.03
50	0.387	0.464	0.247	162	168	5.75
70	0.268	0.321	0.238	203	206	8.05
95	0.193	0.232	0.238	250	247	10.93
120	0.153	0.184	0.233	289	281	13.80
150	0.124	0.150	0.233	330	315	17.25
185	0.0991	0.121	0.233	381	356	21.28
240	0.0754	0.093	0.232	451	412	27.60
300	0.0601	0.075	0.231	517	464	34.50
400	0.0470	0.060	0.229	594	524	41.20

10. Brosur Kabel NYY 1 x (1.5-800) mm²

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec Max. (kA)
	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 70°C Max. (Ω/km)	Trefoil formation  (mH/km)	Flat formation  (mH/km)					
					in air Max. (A)	in ground Max. (A)	in air Max. (A)	in ground Max. (A)	
1.5	12.1	14.478	0.459	0.505	21	27	21	27	0.17
2.5	7.41	8.866	0.423	0.470	27	35	28	35	0.29
4	4.61	5.516	0.404	0.450	37	46	38	45	0.46
6	3.08	3.685	0.380	0.426	46	57	48	57	0.69
10	1.83	2.190	0.350	0.396	64	76	65	76	1.15
16	1.15	1.376	0.327	0.374	84	98	87	97	1.84
25	0.727	0.870	0.312	0.358	114	127	117	125	2.88
35	0.524	0.627	0.299	0.345	140	152	144	150	4.03
50	0.387	0.464	0.290	0.336	172	180	177	178	5.75
70	0.268	0.321	0.280	0.326	218	220	225	218	8.05
95	0.193	0.232	0.274	0.321	270	264	278	260	10.93
120	0.153	0.184	0.269	0.315	315	300	325	296	13.80
150	0.124	0.150	0.266	0.313	362	336	373	331	17.25
185	0.0991	0.121	0.264	0.310	420	379	433	374	21.28
240	0.0754	0.093	0.261	0.307	503	439	518	432	27.60
300	0.0601	0.075	0.258	0.305	580	494	598	486	34.50
400	0.0470	0.061	0.256	0.302	674	558	695	549	41.20
500	0.0366	0.049	0.252	0.299	781	629	806	618	51.50
630	0.0283	0.041	0.247	0.293	901	704	930	692	64.89
800	0.0221	0.035	0.242	0.289	1018	775	1052	762	82.40

11. Brosur Kabel NYY 4 x (1.5-400) mm²

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	Current - Carrying Capacity at 30° C *		Short circuit current at 1 sec Max. (kA)
	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 70°C Max. (Ω/km)		in air	in ground	
				Max. (A)	Max. (A)	
1.5	12.1	14.478	0.328	22	27	0.17
2.5	7.41	8.866	0.304	29	35	0.29
4	4.61	5.516	0.303	39	46	0.46
6	3.08	3.685	0.288	50	57	0.69
10	1.83	2.190	0.269	68	77	1.15
16	1.15	1.376	0.255	90	99	1.84
25	0.727	0.870	0.255	121	128	2.88
35	0.524	0.627	0.246	149	154	4.03
50	0.387	0.464	0.247	173	173	5.75
70	0.268	0.321	0.238	215	212	8.05
95	0.193	0.232	0.238	266	255	10.93
120	0.153	0.184	0.233	308	289	13.80
150	0.124	0.150	0.233	357	327	17.25
185	0.0991	0.121	0.233	405	366	21.28
240	0.0754	0.093	0.232	482	425	27.60
300	0.0601	0.075	0.231	552	479	34.50
400	0.0470	0.060	0.229	643	545	41.20

12. Brosur Kabel N2XS Y 18/30kA

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	in air	in ground	in air	in ground	Max. (kA)	Max. (kA)
50	0.387	0.494	0.453	0.499	243	214	249	219	7.15	1.14
70	0.268	0.342	0.428	0.474	303	262	310	268	10.01	1.14
95	0.193	0.247	0.408	0.454	367	313	375	320	13.59	1.14
120	0.153	0.196	0.393	0.439	423	356	433	364	17.16	1.14
150	0.124	0.159	0.379	0.425	481	400	492	409	21.45	1.14
185	0.0991	0.127	0.368	0.414	550	451	563	462	26.46	1.14
240	0.0754	0.098	0.353	0.399	649	524	664	535	34.32	1.14
300	0.0601	0.079	0.342	0.388	742	591	760	603	42.90	1.14
400	0.0470	0.063	0.328	0.375	863	673	883	687	57.20	1.14
500	0.0366	0.050	0.318	0.364	995	762	1018	777	71.50	1.14
630	0.0283	0.041	0.308	0.354	1143	858	1168	875	90.09	1.14
800	0.0221	0.034	0.296	0.343	1265	955	1322	969	114.40	1.14

13. Brosur Kabel BCC

Technical Properties

Size	Number / Dia. of Wire	Calculated Cross Sect. Area	Approx. Overall Diameter	Approx. Weight	Calculated Breaking Load	DC Resistance at 20° C Max.	Standard Length per Reel
mm ²	No. / mm	mm ²	mm	kg/km	kN	Ohm/km	m
6	1 / 2.80	6.2	2.80	56	2.5	2.8994	2,000
10	1 / 3.50	9.6	3.50	88	3.8	1.8565	2,000
10	7 / 1.35	10.0	4.05	91	4.2	1.8181	2,000
16	7 / 1.70	15.9	5.10	144	6.6	1.1465	2,000
25	7 / 2.10	24.2	6.30	220	9.9	0.7512	2,000
35	7 / 2.50	34.4	7.50	312	13.9	0.5302	2,000
50	19 / 1.80	48.3	9.00	441	19.8	0.3785	2,000
70	19 / 2.10	65.8	10.50	600	27.0	0.2781	2,000
95	19 / 2.50	93.3	12.50	851	37.8	0.1963	2,000
120	19 / 2.80	117.0	14.00	1,067	47.4	0.1565	2,000
150	37 / 2.25	147.1	15.75	1,342	60.3	0.1244	2,000
185	37 / 2.50	181.6	17.50	1,657	73.6	0.1008	2,000
240	61 / 2.25	242.5	20.25	2,213	99.4	0.0755	2,000
300	61 / 2.50	299.4	22.50	2,732	121.3	0.0611	1,000
400	61 / 2.89	400.1	26.01	3,650	162.1	0.0458	1,000
500	61 / 3.23	499.8	29.07	4,560	199.7	0.0367	1,000

PERHITUNGAN

1. Perhitungan Asumsi AC

NO	NAMA RUANGAN	LUAS (M2)	TINGGI (M)	VOLUME RUANGAN (M3)	TETAPAN PENDINGIN (BTUH/M3)	KAPASITAS AC (BTUH)	AC TERPASANG (BTUH)	TYPE INDOOR AC	JML AC	DAYA AC	BEBAN TERPASANG AC
A	LANTAI SEMIBASEMENT										
1	Parkir	1085	3	3255	170	553,350	10000	AXIAL FAN	6	500	3000
B	LANTAI 1										
1	Bar Kit	11.2	3.5	39.2	200	7,840	9000	Wall Mounted 9000 BTU/H	1	690	690
2	Gudang Dapur	8	3.5	28	200	5,600	4,000	EXHAUST FAN	2	50	100
3	Foodcourt	147	3.5	514.5	200	102,900	26,000	AC CASSETTE 26000	4	2,530	10120
4	Ruang Transit	20	3.5	70	200	14,000	4750	Wall Mounted 4750 BTU/H	2	340	680
5							3,000	KIPAS DINDING	2	50	100
6	Hall	764	3.5	2674	200	534,800	48000	AC CASSETTE 48000	12	5040	60480
7	Lobby Service Samping	23.5	3.5	82.25	200	16,450	18000	AC CASSETTE 18000	1	1890	1890
8	Toilet Pria	11	3.5	38.5	200	7,700	4,000	EXHAUST FAN	3	50	150
9	Toilet Wanita	13	3.5	45.5	200	9,100	4,000	EXHAUST FAN	3	50	150
10	Toilet Khusus	4	3.5	14	200	2,800	4,000	EXHAUST FAN	1	50	50
11	Ruang Wudhu Pria	1.3	3.5	4.55	200	910	4,000	EXHAUST FAN	1	50	50
12	Ruang Wudhu Wanita	1.3	3.5	4.55	200	910	4,000	EXHAUST FAN	1	50	50
13	Ruang Menyusui	2	3.5	7	200	1,400	4750	Wall Mounted 4750 BTU/H	1	340	340
14	Ruang Panel	3	3.5	10.5	200	2,100	4750	Wall Mounted 4750 BTU/H	1	340	340
C	LANTAI 2										
1	Lobby Service Samping	23.5	3	70.5	170	11,985	18000	AC CASSETTE 18000	1	1890	1890
2	Toilet Pria	11	3	33	200	6,600	4000	EXHAUST FAN	3	50	150
3	Toilet Wanita	13	3	39	200	7,800	4000	EXHAUST FAN	3	50	150
4	Toilet Khusus	4	3	12	200	2,400	4000	EXHAUST FAN	1	50	50

NO	NAMA RUANGAN	LUAS (M2)	TINGGI (M)	VOLUME RUANGAN (M3)	TETAPAN PENDINGIN (BTUH/M3)	KAPASITAS AC (BTUH)	AC TERPASANG (BTUH)	TYPE INDOOR AC	JML AC	DAYA AC	BEBAN TERPASANG AC
5	Ruang Wudhu Pria	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
6	Ruang Wudhu Wanita	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
7	Ruang Menyusui	2	3	6	200	1,200	4750	Wall Mounted 4750 BTU/H	1	340	340
8	Ruang Panel	3	3	9	200	1,800	4750	Wall Mounted 4750 BTU/H	1	340	340
9	Ruang Utama	300	3	900	200	180,000	26,000	AC CASSETTE 26000	8	2,530	20240
10	Ruang 01	52	3	156	200	31,200	26,000	AC CASSETTE 26000	1	2,530	2530
11							3,000	KIPAS DINDING	2	50	100
12	Ruang 02	102	3	306	200	61,200	30,000	AC CASSETTE 30000	2	2,730	5460
13							3,000	KIPAS DINDING	2	50	100
14	Aisyyiah Center	102	3	306	200	61,200	30,000	AC CASSETTE 30000	2	2,730	5460
15							3,000	KIPAS DINDING	2	50	100
16	Ruang Transit Dosen	53	3	159	200	31,800	26,000	AC CASSETTE 26000	1	2,530	2530
17							3,000	KIPAS DINDING	2	50	100
D	LANTAI 3										
1	Perpustakaan	550	3	1650	200	330,000	30,000	AC CASSETTE 30000	12	2,730	32760
2	Ruang Diskusi 1	16	3	48	200	9,600	4750	Wall Mounted 4750 BTU/H	2	340	680
3	Ruang Diskusi 2	16	3	48	200	9,600	4750	Wall Mounted 4750 BTU/H	2	340	680
4	Ruang Baca Personal	53	3	159	200	31,800	12,400	Wall Mounted 12400 BTU/H	3	1,090	3270
5	Ruang Komputer	51	3	153	200	30,600	12,400	Wall Mounted 12400 BTU/H	3	1,090	3270
6	Ruang Baca Lesehan	42.5	3	127.5	200	25,500	9000	Wall Mounted 9000 BTU/H	3	690	2070
7	Ruang Staff	29	3	87	200	17,400	9000	Wall Mounted 9000 BTU/H	2	690	1380
8	Area Loker	32.5	3	97.5	200	19,500	18000	AC CASSETTE 18000	1	1890	1890

NO	NAMA RUANGAN	LUAS (M2)	TINGGI (M)	VOLUME RUANGAN (M2)	TETAPAN PENDINGIN (BTUH/M3)	KAPASITS AC (BTUH/H)	AC TERPASANG (BTUH/H)	TYPE INDOOR AC	JML AC	DAYA AC	BEBAN TERPASANG AC
9	Gudang	5.5	3	16.5	200	3,300	4,000	EXHAUST FAN	1	50	50
10	Lobby tangga 1	56.6	3	169.8	170	28,866	30,000	AC CASSETTE 30000	1	2,730	2730
11	Lobby tangga 2	15	3	45	170	7,650	18000	AC CASSETTE 18000	1	1890	1890
12	Toilet	11	3	33	200	6,600	4000	EXHAUST FAN	3	50	150
13	Ruang Menyusui	2	3	6	200	1,200	4750	Wall Mounted 4750 BTU/H	1	340	340
14	Ruang Panel	3	3	9	200	1,800	4750	Wall Mounted 4750 BTU/H	1	340	340
E	LANTAI 4										
1	Lobby Service Samping	23.5	3	70.5	170	11,985	18000	AC CASSETTE 18000	1	1890	1890
2	Toilet Pria	11	3	33	200	6,600	4000	EXHAUST FAN	3	50	150
3	Toilet Wanita	13	3	39	200	7,800	4000	EXHAUST FAN	3	50	150
4	Toilet Khusus	4	3	12	200	2,400	4000	EXHAUST FAN	1	50	50
5	Ruang Wudhu Pria	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
6	Ruang Wudhu Wanita	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
7	Ruang Menyusui	2	3	6	200	1,200	4750	Wall Mounted 4750 BTU/H	1	340	340
8	Ruang Panel	3	3	9	200	1,800	4750	Wall Mounted 4750 BTU/H	1	340	340
9	Ruang Utama	290	3	870	200	174,000	30,000	AC CASSETTE 30000	6	2,730	16380
10	Ruang 01	102	3	306	200	61,200	26,000	AC CASSETTE 26000	2	2,530	5060
11							3,000	KIPAS DINDING	3	50	150
12	Ruang 02	98	3	294	200	58,800	26,000	AC CASSETTE 26000	2	2,530	5060
13							3,000	KIPAS DINDING	3	50	150
14	Ruang 03	98	3	294	200	58,800	26,000	AC CASSETTE 26000	2	2,530	5060
15							3,000	KIPAS DINDING	3	50	150

NO	NAMA RUANGAN	LUAS (M2)	TINGGI (M)	VOLUME RUANGAN (M2)	TETAPAN PENDINGIN (BTUH/M3)	KAPASITS AC (BTUH/H)	AC TERPASANG (BTUH/H)	TYPE INDOOR AC	JML AC	DAYA AC	BEBAN TERPASANG AC
16	Ruang 04	101	3	303	200	60,600	26,000	AC CASSETTE 26000	2	2,530	5060
17							3,000	KIPAS DINDING	3	50	150
18	Ruang 05	59	3	177	200	35,400	22000	Wall Mounted 22000 BTU/H	2	2100	4200
19							3,000	KIPAS DINDING	3	50	150
20	Ruang 06	59	3	177	200	35,400	22000	Wall Mounted 22000 BTU/H	2	2100	4200
21							3,000	KIPAS DINDING	3	50	150
F	LANTAI 5										
1	Lobby Service Samping	23.5	3	70.5	170	11,985	18000	AC CASSETTE 18000	1	1890	1890
2	Toilet Pria	11	3	33	200	6,600	4000	EXHAUST FAN	3	50	150
3	Toilet Wanita	13	3	39	200	7,800	4000	EXHAUST FAN	3	50	150
4	Toilet Khusus	4	3	12	200	2,400	4000	EXHAUST FAN	1	50	50
5	Ruang Wudhu Pria	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
6	Ruang Wudhu Wanita	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
7	Ruang Menyusui	2	3	6	200	1,200	4750	Wall Mounted 4750 BTU/H	1	340	340
8	Ruang Panel	3	3	9	200	1,800	4750	Wall Mounted 4750 BTU/H	1	340	340
9	Ruang 01	102	3	306	200	61,200	26,000	AC CASSETTE 26000	2	2,530	5060
10							3,000	KIPAS DINDING	3	50	150
11	Ruang 02	98	3	294	200	58,800	26,000	AC CASSETTE 26000	2	2,530	5060
12							3,000	KIPAS DINDING	3	50	150
13	Ruang 03	98	3	294	200	58,800	26,000	AC CASSETTE 26000	2	2,530	5060
14							3,000	KIPAS DINDING	3	50	150

NO	NAMA RUANGAN	LUAS (M2)	TINGGI (M)	VOLUME RUANGAN (M2)	TETAPAN PENDINGIN (BTUH/M3)	KAPASITS AC (BTUH/H)	AC TERPASANG (BTUH/H)	TYPE INDOOR AC	JML AC	DAYA AC	BEBAN TERPASANG AC
15	Ruang 04	101	3	303	200	60,600	26,000	AC CASSETTE 26000	2	2,530	5060
16							3,000	KIPAS DINDING	3	50	150
17	Ruang 05	59	3	177	200	35,400	22000	Wall Mounted 22000 BTU/H	2	2100	4200
18							3,000	KIPAS DINDING	3	50	150
19	Ruang 06	93	3	279	200	55,800	26,000	AC CASSETTE 26000	2	2,530	5060
20							3,000	KIPAS DINDING	3	50	150
21	Ruang 07	100	3	300	200	60,000	26,000	AC CASSETTE 26000	2	2,530	5060
22							3,000	KIPAS DINDING	3	50	150
23	Ruang 08	93	3	279	200	55,800	26,000	AC CASSETTE 26000	2	2,530	5060
24							3,000	KIPAS DINDING	3	50	150
25	Ruang 09	59	3	177	200	35,400	22000	Wall Mounted 22000 BTU/H	2	2100	4200
26							3,000	KIPAS DINDING	3	50	150
G	LANTAI 6										
1	Lobby Service Samping	23.5	3	70.5	170	11,985	18000	AC CASSETTE 18000	1	1890	1890
2	Toilet Pria	11	3	33	200	6,600	4000	EXHAUST FAN	3	50	150
3	Toilet Wanita	13	3	39	200	7,800	4000	EXHAUST FAN	3	50	150
4	Toilet Khusus	4	3	12	200	2,400	4000	EXHAUST FAN	1	50	50
5	Ruang Wudhu Pria	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
6	Ruang Wudhu Wanita	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
7	Ruang Menyusui	2	3	6	200	1,200	4750	Wall Mounted 4750 BTU/H	1	340	340
8	Ruang Panel	3	3	9	200	1,800	4750	Wall Mounted 4750 BTU/H	1	340	340

NO	NAMA RUANGAN	LUAS (M2)	TINGGI (M)	VOLUME RUANGAN (M3)	TETAPAN PENDINGIN (BTUH/M3)	KAPASITAS AC (BTUH)	AC TERPASANG (BTUH)	TYPE INDOOR AC	JML AC	DAYA AC	BEBAN TERPASANG AC
9	Ruang 01	102	3	306	200	61,200	26,000	AC CASSETTE 26000	2	2,530	5060
10							3,000	KIPAS DINDING	3	50	150
11	Ruang 02	98	3	294	200	58,800	26,000	AC CASSETTE 26000	2	2,530	5060
12							3,000	KIPAS DINDING	3	50	150
13	Ruang 03	98	3	294	200	58,800	26,000	AC CASSETTE 26000	2	2,530	5060
14							3,000	KIPAS DINDING	3	50	150
15	Ruang 04	101	3	303	200	60,600	26,000	AC CASSETTE 26000	2	2,530	5060
16							3,000	KIPAS DINDING	3	50	150
17	Ruang 05	59	3	177	200	35,400	18000	Wall Mounted 18000 BTU/H	2	1832	3664
18							3,000	KIPAS DINDING	2	50	100
19	Ruang 06	93	3	279	200	55,800	26,000	AC CASSETTE 26000	2	2,530	5060
20							3,000	KIPAS DINDING	2	50	100
21	Ruang 07	100	3	300	200	60,000	26,000	AC CASSETTE 26000	2	2,530	5060
22							3,000	KIPAS DINDING	2	50	100
23	Ruang 08	93	3	279	200	55,800	26,000	AC CASSETTE 26000	2	2,530	5060
24							3,000	KIPAS DINDING	2	50	100
25	Ruang 09	59	3	177	200	35,400	18000	Wall Mounted 18000 BTU/H	2	1832	3664
26							3,000	KIPAS DINDING	2	50	100

NO	NAMA RUANGAN	LUAS (M2)	TINGGI (M)	VOLUME RUANGAN (M3)	TETAPAN PENDINGIN (BTUH/M3)	KAPASITS AC (BTUH)	AC TERPASANG (BTUH)	TYPE INDOOR AC	JML AC	DAYA AC	BEBAN TERPASANG AC
H	LANTAI 7										
1	Lobby Service Samping	23.5	3	70.5	170	11,985	18000	AC CASSETTE 18000	1	1890	1890
2	Toilet Pria	11	3	33	200	6,600	4000	EXHAUST FAN	3	50	150
3	Toilet Wanita	13	3	39	200	7,800	4000	EXHAUST FAN	3	50	150
4	Toilet Khusus	4	3	12	200	2,400	4000	EXHAUST FAN	1	50	50
5	Ruang Wudhu Pria	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
6	Ruang Wudhu Wanita	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
7	Ruang Menyusui	2	3	6	200	1,200	4750	Wall Mounted 4750 BTU/H	1	340	340
8	Ruang Panel	3	3	9	200	1,800	4750	Wall Mounted 4750 BTU/H	1	340	340
9	Ruang 01	98	3	294	200	58,800	26,000	AC CASSETTE 26000	2	2,530	5060
10							3,000	KIPAS DINDING	3	50	150
11	Ruang 02	98	3	294	200	58,800	26,000	AC CASSETTE 26000	2	2,530	5060
12							3,000	KIPAS DINDING	3	50	150
13	Ruang 03	101	3	303	200	60,600	26,000	AC CASSETTE 26000	2	2,530	5060
14							3,000	KIPAS DINDING	3	50	150
15	Ruang Administrasi 1	48	3	144	200	28,800	18,000	AC CASSETTE 18000	2	1,890	3780
16							3,000	KIPAS DINDING	3	50	150
17	Ruang Prodi 1	10	3	30	200	6,000	6820	Wall Mounted 6820 BTU/H	1	540	540
18	Ruang Prodi 2	8	3	24	200	4,800	6820	Wall Mounted 6820 BTU/H	1	540	540

NO	NAMA RUANGAN	LUAS (M2)	TINGGI (M)	VOLUME RUANGAN (M2)	TETAPAN PENDINGIN (BTUH/M3)	KAPASITS AC (BTUH/H)	AC TERPASANG (BTUH/H)	TYPE INDOOR AC	JML AC	DAYA AC	BEBAN TERPASANG AC
19	Ruang Prodi 3	8	3	24	200	4,800	6820	Wall Mounted 6820 BTU/H	1	540	540
20	Ruang Prodi 4	8	3	24	200	4,800	6820	Wall Mounted 6820 BTU/H	1	540	540
21	Ruang Prodi 5	8	3	24	200	4,800	6820	Wall Mounted 6820 BTU/H	1	540	540
22	Sekretaris Dekanat 1	31.6	3	94.8	200	18,960	9000	Wall Mounted 9000 BTU/H	2	690	1380
23							3,000	KIPAS DINDING	2	50	100
24	Dekan 1	25.3	3	75.9	200	15,180	9000	Wall Mounted 9000 BTU/H	2	690	1380
25							3,000	KIPAS DINDING	2	50	100
26	Wakil dekan 01	11	3	33	200	6,600	6820	Wall Mounted 6820 BTU/H	1	540	540
27	Wakil dekan 02	11	3	33	200	6,600	6820	Wall Mounted 6820 BTU/H	1	540	540
28	Wakil dekan 03	11	3	33	200	6,600	6820	Wall Mounted 6820 BTU/H	1	540	540
29	Ruang Rapat Pimpinan	110	3	330	200	66,000	21000	AC CASSETTE 21000	3	2120	6360
30	Mushola	21	3	63	200	12,600	3,000	KIPAS DINDING	1	50	50
31	Ruang Ujian	26	3	78	200	15,600	18000	Wall Mounted 18000 BTU/H	1	1832	1832
32							3,000	KIPAS DINDING	2	50	100
33	Sekretaris Dekanat 2	32	3	96	200	19,200	9000	Wall Mounted 9000 BTU/H	2	690	1380
34							3,000	KIPAS DINDING	2	50	100
35	Dekan 2	25	3	75	200	15,000	9000	Wall Mounted 9000 BTU/H	2	690	1380
36							3,000	KIPAS DINDING	2	50	100
37	Wakil dekan 04	11	3	33	200	6,600	6820	Wall Mounted 6820 BTU/H	1	540	540
38	Wakil dekan 05	11	3	33	200	6,600	6820	Wall Mounted 6820 BTU/H	1	540	540
39	Wakil dekan 06	11	3	33	200	6,600	6820	Wall Mounted 6820 BTU/H	1	540	540

NO	NAMA RUANGAN	LUAS (M2)	TINGGI (M)	VOLUME RUANGAN (M2)	TETAPAN PENDINGIN (BTUH/M3)	KAPASITS AC (BTUH/H)	AC TERPASANG (BTU/H)	TYPE INDOOR AC	JML AC	DAYA AC	BEBAN TERPASANG AC
40	Ruang Administrasi 2	24	3	72	200	14,400	13000	AC CASSETTE 13000	1	1240	1240
41							3,000	KIPAS DINDING	2	50	100
42	Ruang Prodi 06	8	3	24	200	4,800	6820	Wall Mounted 6820 BTU/H	1	540	540
43	Ruang Prodi 07	8	3	24	200	4,800	6820	Wall Mounted 6820 BTU/H	1	540	540
44	Ruang Prodi 08	11	3	33	200	6,600	6820	Wall Mounted 6820 BTU/H	1	540	540
45	Ruang Prodi 09	8	3	24	200	4,800	6820	Wall Mounted 6820 BTU/H	1	540	540
I	LANTAI 8										
1	Lobby Service Samping	23.5	3	70.5	170	11,985	18000	AC CASSETTE 18000	1	1890	1890
2	Toilet Pria	11	3	33	200	6,600	4000	EXHAUST FAN	3	50	150
3	Toilet Wanita	13	3	39	200	7,800	4000	EXHAUST FAN	3	50	150
4	Toilet Khusus	4	3	12	200	2,400	4000	EXHAUST FAN	1	50	50
5	Ruang Wudhu Pria	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
6	Ruang Wudhu Wanita	1.3	3	3.9	200	780	4000	EXHAUST FAN	1	50	50
7	Ruang Menyusui	2	3	6	200	1,200	4750	Wall Mounted 4750 BTU/H	1	340	340
8	Ruang Panel	3	3	9	200	1,800	4750	Wall Mounted 4750 BTU/H	1	340	340
9	Ruang 01	102	3	306	200	61,200	26,000	AC CASSETTE 26000	2	2,530	5060
10							3,000	KIPAS DINDING	3	50	150
11	Ruang Dosen Fishum	300	3	900	200	180,000	18000	AC CASSETTE 18000	9	1890	17010
12	Mushola	15	3	45	200	9,000	3,000	KIPAS DINDING	2	50	100
13	Ruang 02	57	3	171	200	34,200	18000	Wall Mounted 18000 BTU/H	2	1832	3664
14							3,000	KIPAS DINDING	3	50	150

NO	NAMA RUANGAN	LUAS (M2)	TINGGI (M)	VOLUME RUANGAN (M3)	TETAPAN PENDINGIN (BTUH/M3)	KAPASITS AC (BTUH)	AC TERPASANG (BTUH)	TYPE INDOOR AC	JML AC	DAYA AC	BEBAN TERPASANG AC
15	Ruang 03	94	3	282	200	56,400	26,000	AC CASSETTE 26000	2	2,530	5060
16							3,000	KIPAS DINDING	3	50	150
17	Ruang Dosen FST	194	3	582	200	116,400	18000	AC CASSETTE 18000	6	1890	11340
18	Mushola	7	3	21	200	4,200	3,000	KIPAS DINDING	2	50	100
19	Ruang 04	59	3	177	200	35,400	18000	Wall Mounted 18000 BTU/H	2	1832	3664
20							3,000	KIPAS DINDING	3	50	150
J	LANTAI ATAP										
1	Ruang Utilitas 1	48	3	144	200	28,800	18000	Wall Mounted 18000 BTU/H	2	1832	3664
2	Ruang Utilitas 2	42	3	126	200	25,200	18000	Wall Mounted 18000 BTU/H	2	1832	3664

2. Perhitungan Drop Tegangan

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω/Km)	L (H/KM)	X (Ω/KM)	n	I (A)	V	ΔV (V)	ΔV (%)
2	SDP POMPA											
1	PK POMPA AB	0.005	NYY	4x10mm2	2.190	0.000269	0.084	4	39.1	380	0.148916	0.000391884
2	PK KURAS GWT	0.005	NYY	4x4mm2	5.516	0.000303	0.095	4	4.3	380	0.040990	0.000107869
3	PK DEEP WELL	0.005	NYY	4x6mm2	3.685	0.000288	0.090	4	14.1	380	0.089506	0.000235542
4	PK FWT	0.005	NYY	4x6mm2	3.685	0.000288	0.090	4	6.5	380	0.041310	0.000108711
3	PK STP											
		0.010	NYY	4x16mm2	1.376	0.000255	0.080	4	34.7	380	0.168856	0.000444357
4	PP POWER HOUSE											
		0.010	NYY	4x16mm2	1.376	0.000255	0.080	4	20.3	380	0.098499	0.000259208
1	SDP LIFT											
1	PP LIFT 1	0.001	FRC	4x16mm2	1.467	0.000238	0.075	4	33.9	380	0.017476	0.000045990
2	PP LIFT 2	0.002	FRC	4x16mm2	1.467	0.000238	0.075	4	33.9	380	0.034953	0.000091982
3	PP LIFT 3	0.037	FRC	4x16mm2	1.467	0.000238	0.075	4	33.9	380	0.646631	0.001701661
4	PP LIFT 4	0.037	FRC	4x16mm2	1.467	0.000238	0.075	4	33.9	380	0.646631	0.001701661
2	PC Pressurise Fan											
	PC Pressurise Fan	0.005	FRC	2x(4x10mm2)	2.334	0.000248	0.078	4	28.5	380	0.115260	0.000303315
3	PP ELEKTRONIK											
1	FIRE ALARM	0.006	NYM	3x4mm2	5.516	0.297000	93.258	3	5.3	380	1.150760	0.003028316
2	SOUND SYSTEM	0.006	NYM	3x4mm2	5.516	0.297000	93.258	3	8.0	380	1.726140	0.004542474
3	TELEPHONE	0.006	NYM	3x4mm2	5.516	0.297000	93.258	3	5.3	380	1.150760	0.003028316
4	DATA	0.006	NYM	3x4mm2	5.516	0.297000	93.258	3	8.0	380	1.726140	0.004542474
5	CCTV	0.006	NYM	3x4mm2	5.516	0.297000	93.258	3	6.4	380	1.380912	0.003633979
4	LP & PP Lantai SB											
1	PL-SB/01	0.005	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.3	220	0.006355	0.000028885
2	PL-SB/02	0.009	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.9	220	0.139590	0.000634498
3	KK-SB/01	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.215416	0.000979164
4	KK-SB/02	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.129250	0.000587498
5	KK-SB/03	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.129250	0.000587498
6	KK-SB/04	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.215416	0.000979164

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
7	PP AC-SB/01	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.588547	0.002675215
8	PP AC-SB/02	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.588547	0.002675215
9	PP AC-SB/03	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.392365	0.001783476
10	PP AC-SB/04	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.392365	0.001783476
11	PP AC-SB/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.196182	0.000891738
12	PP AC-SB/06	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.196182	0.000891738
5	LP & PP Lantai 1											
1	PL-1/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.1	220	0.132481	0.000602186
2	PL-1/02	0.055	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.1	220	0.696655	0.003166615
3	PL-1/03	0.022	NYM	3x2.5mm2	8.866	0.000318	0.100	3	6.9	220	0.608507	0.002765941
4	PL-1/04	0.035	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.8	220	0.117617	0.000534623
5	PL-1/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.4	220	0.086920	0.000395092
6	PL-1/06	0.013	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.9	220	0.046767	0.000212576
7	KK-1/01	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.161562	0.000734373
8	KK-1/02	0.044	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.379132	0.001723328
9	KK-1/03	0.036	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.387749	0.001762494
10	KK-1/04	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.258499	0.001174996
11	KK-1/05	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.6	220	0.129250	0.000587498
12	KK-1/06	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.0	220	0.242343	0.001101559
13	KK-1/07	0.035	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.376978	0.001713536
14	KK-1/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.430832	0.001958327
15	KK-1/09	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.3	220	0.605857	0.002753897
16	KK-1/10	0.050	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.807810	0.003671863
17	KK-1/11	0.050	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.430832	0.001958327
18	KK-1/12	0.055	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.1	220	0.236958	0.001077080
19	KK-1/13	0.055	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.3	220	0.296197	0.001346350

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
6	PP AC Lantai 1											
1	PP AC-1/01	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.6	220	0.104631	0.000475594
2	PP AC-1/02	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.6	220	0.104631	0.000475594
3	PP AC-1/03	0.050	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.196182	0.000891738
4	PP AC-1/04	0.050	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.196182	0.000891738
5	PP AC-1/05	0.050	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.196182	0.000891738
6	PP AC-1/06	0.050	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.444680	0.002021273
7	PP AC-1/07	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.355744	0.001617019
8	PP AC-1/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.355744	0.001617019
9	PP AC-1/09	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.355744	0.001617019
10	PP AC-1/10	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.5	220	0.721951	0.003281597
11	PP AC-1/11	0.060	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.1	380	0.743621	0.001956897
12	PP AC-1/12	0.060	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.995429	0.002619550
13	PP AC-1/13	0.060	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.995429	0.002619550
14	PP AC-1/14	0.060	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.995429	0.002619550
15	PP AC-1/15	0.060	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.995429	0.002619550
16	PP AC-1/16	0.060	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.982989	0.005218392
17	PP AC-1/17	0.060	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.982989	0.005218392
18	PP AC-1/18	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.321993	0.003478928
19	PP AC-1/19	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.321993	0.003478928
20	PP AC-1/20	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.321993	0.003478928
21	PP AC-1/21	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.321993	0.003478928
22	PP AC-1/22	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.321993	0.003478928
23	PP AC-1/23	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.321993	0.003478928
24	PP AC-1/24	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.321993	0.003478928
25	PP AC-1/25	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.321993	0.003478928
26	PP AC-1/26	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.321993	0.003478928
27	PP AC-1/27	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	10.9	380	1.321993	0.003478928

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
7	LP & PP Lantai 2											
1	PL-2/01	0.035	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.8	220	0.248805	0.001130934
2	PL-2/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.083151	0.000377957
3	PL-2/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.9	220	0.035974	0.000163520
4	PL-2/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	6.0	220	1.085697	0.004934984
5	PL-2/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.9	220	0.054285	0.000246749
6	PL-2/06	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.9	220	0.144760	0.000657998
7	PL-2/07	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.135712	0.000616873
8	PL-2/08	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.226187	0.001028122
9	KK-2/01	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.107708	0.000489582
10	KK-2/02	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.269270	0.001223954
11	KK-2/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.086166	0.000391665
12	KK-2/04	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.086166	0.000391665
13	KK-2/05	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.3	220	0.403905	0.001835932
14	KK-2/06	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.226187	0.001028122
15	KK-2/07	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.129250	0.000587498
16	KK-2/08	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.339280	0.001542183
17	KK-2/09	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.508920	0.002313274
8	PP AC Lantai 2											
1	PP AC-2/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.6	220	0.078473	0.000356695
2	PP AC-2/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.6	220	0.026158	0.000118898
3	PP AC-2/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.6	220	0.026158	0.000118898
4	PP AC-2/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.6	220	0.117709	0.000535043
5	PP AC-2/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.058855	0.000267521
6	PP AC-2/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.176564	0.000802564
7	PP AC-2/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.098091	0.000445869
8	PP AC-2/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.355744	0.001617019
9	PP AC-2/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.088936	0.000404255

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
10	PP AC-2/10	0.010	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.1	380	0.123937	0.000326150
11	PP AC-2/11	0.025	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.414762	0.001091479
12	PP AC-2/12	0.010	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.165905	0.000436592
13	PP AC-2/13	0.010	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.165905	0.000436592
14	PP AC-2/14	0.030	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.497715	0.001309775
15	PP AC-2/15	0.020	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.331810	0.000873183
16	PP AC-2/16	0.015	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.248857	0.000654888
17	PP AC-2/17	0.030	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.497715	0.001309775
18	PP AC-2/18	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.746572	0.001964663
19	PP AC-2/19	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.746572	0.001964663
20	PP AC-2/20	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.746572	0.001964663
21	PP AC-2/21	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.805589	0.002119972
22	PP AC-2/22	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.805589	0.002119972
23	PP AC-2/23	0.038	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.684693	0.001801823
24	PP AC-2/24	0.039	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.701422	0.001845848
9	LP & PP Lantai 3											
1	PL-3/01	0.037	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.0	220	1.039339	0.004724268
2	PL-3/02	0.037	NYM	3x2.5mm2	8.866	0.000318	0.100	3	6.2	220	0.926159	0.004209816
3	PL-3/03	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.0	220	0.161131	0.000732414
4	PL-3/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.9	220	0.166732	0.000757873
5	PL-3/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.4	220	0.086597	0.000393624
6	KK-3/01	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.6	220	0.258499	0.001174996
7	KK-3/02	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.344666	0.001566662
8	KK-3/03	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.430832	0.001958327
9	KK-3/04	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.430832	0.001958327
10	KK-3/05	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.344666	0.001566662
11	KK-3/06	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.516998	0.002349993
12	KK-3/07	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.344666	0.001566662
13	KK-3/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.344666	0.001566662
14	KK-3/09	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.1	220	0.667790	0.003035407
15	KK-3/10	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.344666	0.001566662

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
10	PP AC Lantai 3											
1	PP AC-3/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.3	220	0.039236	0.000178348
2	PP AC-3/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.039236	0.000178348
3	PP AC-3/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.088936	0.000404255
4	PP AC-3/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.400212	0.001819146
5	PP AC-3/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.133404	0.000606382
6	PP AC-3/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.400212	0.001819146
7	PP AC-3/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.222340	0.001010637
8	PP AC-3/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.355744	0.001617019
9	PP AC-3/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.5	220	0.180488	0.000820399
10	PP AC-3/10	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.5	220	0.180488	0.000820399
11	PP AC-3/11	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.5	220	0.451220	0.002050998
12	PP AC-3/12	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.5	220	0.180488	0.000820399
13	PP AC-3/13	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.5	220	0.180488	0.000820399
14	PP AC-3/14	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.1	220	0.855355	0.003887979
15	PP AC-3/15	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.1	220	0.570237	0.002591986
16	PP AC-3/16	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.1	220	0.427678	0.001943989
17	PP AC-3/17	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.1	220	0.855355	0.003887979
18	PP AC-3/18	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.1	220	1.283033	0.005831968
19	PP AC-3/19	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.1	220	1.283033	0.005831968
20	PP AC-3/20	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.1	380	0.557716	0.001467673
21	PP AC-3/21	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.1	380	0.557716	0.001467673
22	PP AC-3/22	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.805589	0.002119972
23	PP AC-3/23	0.038	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.684693	0.001801823
24	PP AC-3/24	0.039	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.701422	0.001845848
25	PP AC-3/25	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.718152	0.001889873
26	PP AC-3/26	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.718152	0.001889873
27	PP AC-3/27	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.718152	0.001889873
28	PP AC-3/28	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.718152	0.001889873
29	PP AC-3/29	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.718152	0.001889873
30	PP AC-3/30	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.718152	0.001889873
31	PP AC-3/31	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.718152	0.001889873

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
32	PP AC-3/32	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.718152	0.001889873
33	PP AC-3/33	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.718152	0.001889873
34	PP AC-3/34	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.9	380	0.718152	0.001889873
11	PP SERVER											
1	KK-SERVER/01	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.5	220	1.206329	0.005483316
2	KK-SERVER/02	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.5	220	1.206329	0.005483316
3	KK-SERVER/03	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.5	220	1.206329	0.005483316
4	KK-SERVER/04	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.5	220	1.206329	0.005483316
5	KK-SERVER/05	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.5	220	1.206329	0.005483316
6	KK-SERVER/06	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.5	220	1.206329	0.005483316
7	KK-SERVER/07	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.5	220	1.206329	0.005483316
12	LP & PP Lantai 4											
1	PL-4/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	7.5	220	0.904747	0.004112487
2	PL-4/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
3	PL-4/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.1	220	0.005816	0.000026437
4	PL-4/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.407136	0.001850619
5	PL-4/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.135712	0.000616873
6	PL-4/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.407136	0.001850619
7	PL-4/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.226187	0.001028122
8	PL-4/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.3	220	0.205076	0.000932164
9	PL-4/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.3	220	0.051269	0.000233041
10	KK-4/01	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.107708	0.000489582
11	KK-4/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.1	220	0.166947	0.000758852
12	KK-4/03	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.1	220	0.500842	0.002276555
13	KK-4/04	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.1	220	0.333895	0.001517703
14	KK-4/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.1	220	0.250421	0.001138278
15	KK-4/06	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.339280	0.001542183
16	KK-4/07	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.387749	0.001762494
17	KK-4/08	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.387749	0.001762494
18	KK-4/09	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.3	220	0.605857	0.002753897
19	KK-4/10	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.581623	0.002643742
20	KK-4/11	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.508920	0.002313274

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
13	PP AC Lantai 4						0.000					
1	PP AC-4/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.117709	0.000535043
2	PP AC-4/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.039236	0.000178348
3	PP AC-4/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.039236	0.000178348
4	PP AC-4/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.176564	0.000802564
5	PP AC-4/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.058855	0.000267521
6	PP AC-4/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.176564	0.000802564
7	PP AC-4/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.098091	0.000445869
8	PP AC-4/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.156946	0.000713391
9	PP AC-4/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.039236	0.000178348
10	PP AC-4/10	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.088936	0.000404255
11	PP AC-4/11	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.222340	0.001010637
12	PP AC-4/12	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	0.549311	0.002496867
13	PP AC-4/13	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	0.549311	0.002496867
14	PP AC-4/14	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	1.647932	0.007490601
15	PP AC-4/15	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	1.098621	0.004993734
16	PP AC-4/16	0.015	NYM	4x2.5mm2	8.866	0.000318	0.100	3	4.1	380	0.247874	0.000652299
17	PP AC-4/17	0.030	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.5	380	0.663619	0.001746367
18	PP AC-4/18	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.5	380	0.995429	0.002619550
19	PP AC-4/19	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.5	380	0.995429	0.002619550
20	PP AC-4/20	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.5	380	0.995429	0.002619550
21	PP AC-4/21	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.5	380	0.995429	0.002619550
22	PP AC-4/22	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.5	380	0.995429	0.002619550
23	PP AC-4/23	0.038	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.5	380	0.846043	0.002226429
24	PP AC-4/24	0.039	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.5	380	0.866715	0.002280828
25	PP AC-4/25	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.9	380	0.957535	0.002519830
26	PP AC-4/26	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.9	380	0.957535	0.002519830
27	PP AC-4/27	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.9	380	0.957535	0.002519830
28	PP AC-4/28	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.9	380	0.957535	0.002519830
29	PP AC-4/29	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.9	380	0.957535	0.002519830
30	PP AC-4/30	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	3	5.9	380	0.957535	0.002519830

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
14	LP & PP Lantai 5											
1	PL-5/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.271424	0.001233746
2	PL-5/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
3	PL-5/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
4	PL-5/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.407136	0.001850619
5	PL-5/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.3	220	0.076904	0.000349561
6	PL-5/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.407136	0.001850619
7	PL-5/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.218647	0.000993851
8	PL-5/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.361899	0.001644995
9	PL-5/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.3	220	0.051269	0.000233041
10	PL-5/10	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
11	PL-5/11	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.9	220	0.089936	0.000408801
12	KK-5/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.323124	0.001468745
13	KK-5/02	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.323124	0.001468745
14	KK-5/03	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.242343	0.001101559
15	KK-5/04	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.484686	0.002203118
16	KK-5/05	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.727029	0.003304677
17	KK-5/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.508920	0.002313274
18	KK-5/07	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.387749	0.001762494
19	KK-5/08	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.727029	0.003304677
20	KK-5/09	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.727029	0.003304677
21	KK-5/10	0.038	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.617922	0.002808737
22	KK-5/11	0.039	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.443114	0.002014155

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
15	PP AC Lantai 5											
1	PP AC-5/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.353128	0.001605129
2	PP AC-5/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.117709	0.000535043
3	PP AC-5/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.117709	0.000535043
4	PP AC-5/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.529693	0.002407693
5	PP AC-5/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.176564	0.000802564
6	PP AC-5/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.529693	0.002407693
7	PP AC-5/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.294274	0.001337607
8	PP AC-5/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.470838	0.002140172
9	PP AC-5/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.117709	0.000535043
10	PP AC-5/10	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.117709	0.000535043
11	PP AC-5/11	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.294274	0.001337607
12	PP AC-5/12	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.117709	0.000535043
13	PP AC-5/13	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.088936	0.000404255
14	PP AC-5/14	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.266808	0.001212764
15	PP AC-5/15	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	1.098621	0.004993734
16	PP AC-5/16	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	0.823966	0.003745301
17	PP AC-5/17	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	1.647932	0.007490601
18	PP AC-5/18	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	2.471898	0.011235902
19	PP AC-5/19	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.1	380	0.557716	0.001467673
20	PP AC-5/20	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.746572	0.001964663
21	PP AC-5/21	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.746572	0.001964663
22	PP AC-5/22	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.746572	0.001964663
23	PP AC-5/23	0.038	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.634532	0.001669821
24	PP AC-5/24	0.039	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.650036	0.001710621
25	PP AC-5/25	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
26	PP AC-5/26	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
27	PP AC-5/27	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
28	PP AC-5/28	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
29	PP AC-5/29	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
30	PP AC-5/30	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
31	PP AC-5/31	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
32	PP AC-5/32	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
33	PP AC-5/33	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
16	LP & PP Lantai 6											
1	PL-6/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.271424	0.001233746
2	PL-6/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
3	PL-6/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
4	PL-6/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.407136	0.001850619
5	PL-6/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.3	220	0.076904	0.000349561
6	PL-6/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.407136	0.001850619
7	PL-6/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.218647	0.000993851
8	PL-6/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.361899	0.001644995
9	PL-6/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.3	220	0.051269	0.000233041
10	PL-6/10	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
11	PL-6/11	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.9	220	0.089936	0.000408801
12	KK-6/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.323124	0.001468745
13	KK-6/02	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.323124	0.001468745
14	KK-6/03	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.242343	0.001101559
15	KK-6/04	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.484686	0.002203118
16	KK-6/05	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.727029	0.003304677
17	KK-6/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.508920	0.002313274
18	KK-6/07	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.387749	0.001762494
19	KK-6/08	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.727029	0.003304677
20	KK-6/09	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.727029	0.003304677
21	KK-6/10	0.038	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.617922	0.002808737
22	KK-6/11	0.039	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.443114	0.002014155

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
17	PP AC Lantai 6											
1	PP AC-6/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.353128	0.001605129
2	PP AC-6/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.117709	0.000535043
3	PP AC-6/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.117709	0.000535043
4	PP AC-6/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.529693	0.002407693
5	PP AC-6/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.176564	0.000802564
6	PP AC-6/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.529693	0.002407693
7	PP AC-6/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.294274	0.001337607
8	PP AC-6/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.470838	0.002140172
9	PP AC-6/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.117709	0.000535043
10	PP AC-6/10	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.117709	0.000535043
11	PP AC-6/11	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.294274	0.001337607
12	PP AC-6/12	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.117709	0.000535043
13	PP AC-6/13	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.088936	0.000404255
14	PP AC-6/14	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.266808	0.001212764
15	PP AC-6/15	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	1.098621	0.004993734
16	PP AC-6/16	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	0.823966	0.003745301
17	PP AC-6/17	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	1.647932	0.007490601
18	PP AC-6/18	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	13.6	220	2.471898	0.011235902
19	PP AC-6/19	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.1	380	0.557716	0.001467673
20	PP AC-6/20	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.746572	0.001964663
21	PP AC-6/21	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.746572	0.001964663
22	PP AC-6/22	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.746572	0.001964663
23	PP AC-6/23	0.038	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.634532	0.001669821
24	PP AC-6/24	0.039	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.650036	0.001710621
25	PP AC-6/25	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
26	PP AC-6/26	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
27	PP AC-6/27	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
28	PP AC-6/28	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
29	PP AC-6/29	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
30	PP AC-6/30	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
31	PP AC-6/31	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
32	PP AC-6/32	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
33	PP AC-6/33	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
18	LP & PP Lantai 7											
1	PL-7/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.271424	0.001233746
2	PL-7/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
3	PL-7/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
4	PL-7/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.0	220	0.366423	0.001665557
5	PL-7/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.135712	0.000616873
6	PL-7/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.4	220	0.624276	0.002837616
7	PL-7/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.226187	0.001028122
8	PL-7/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.9	220	0.144760	0.000657998
9	PL-7/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.4	220	0.096506	0.000438665
10	PL-7/10	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
11	PL-7/11	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.9	220	0.089936	0.000408801
12	KK-7/01	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.484686	0.002203118
13	KK-7/02	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.4	220	0.436217	0.001982806
14	KK-7/03	0.038	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.411948	0.001872491
15	KK-7/04	0.039	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.633020	0.002877364
16	KK-7/05	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.1	220	0.667790	0.003035407
17	KK-7/06	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.1	220	0.667790	0.003035407
18	KK-7/07	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.1	220	0.667790	0.003035407
19	KK-7/8	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.2	220	0.193874	0.000881247
20	KK-7/9	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.516998	0.002349993
21	KK-7/10	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.6	220	0.581623	0.002643742
22	KK-7/11	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.5	220	0.560082	0.002545825
23	KK-7/12	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.4	220	0.387749	0.001762494
24	KK-7/13	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.646248	0.002937491
25	KK-7/14	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.646248	0.002937491
26	KK-7/15	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.730022	0.003318283
27	KK-7/16	0.046	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.0	220	0.741795	0.003371794
28	KK-7/17	0.047	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.5	220	0.653091	0.002968598
29	KK-7/18	0.047	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.6	220	0.688806	0.003130934

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
30	KK-7/19	0.048	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.543978	0.002472629
31	KK-7/20	0.049	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.420738	0.001912447
19	PP AC Lantai 7											
1	PP AC-7/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.3	220	0.032312	0.000146875
2	PP AC-7/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.5	220	0.021542	0.000097916
3	PP AC-7/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.5	220	0.021542	0.000097916
4	PP AC-7/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.5	220	0.096937	0.000440624
5	PP AC-7/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.5	220	0.032312	0.000146875
6	PP AC-7/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.5	220	0.096937	0.000440624
7	PP AC-7/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.5	220	0.053854	0.000244791
8	PP AC-7/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.8	220	0.129250	0.000587498
9	PP AC-7/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.8	220	0.032312	0.000146875
10	PP AC-7/10	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.8	220	0.032312	0.000146875
11	PP AC-7/11	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.8	220	0.080781	0.000367186
12	PP AC-7/12	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.8	220	0.032312	0.000146875
13	PP AC-7/13	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.8	220	0.032312	0.000146875
14	PP AC-7/14	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.8	220	0.096937	0.000440624
15	PP AC-7/15	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.8	220	0.146483	0.000665831
16	PP AC-7/16	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.8	220	0.109862	0.000499373
17	PP AC-7/17	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.348974	0.001586245
18	PP AC-7/18	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.523461	0.002379367
19	PP AC-7/19	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.523461	0.002379367
20	PP AC-7/20	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.523461	0.002379367
21	PP AC-7/21	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.523461	0.002379367
22	PP AC-7/22	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.523461	0.002379367
23	PP AC-7/23	0.038	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.444904	0.002022291
24	PP AC-7/24	0.039	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.455774	0.002071702
25	PP AC-7/25	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.465299	0.002114993
26	PP AC-7/26	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.465299	0.002114993
27	PP AC-7/27	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.465299	0.002114993
28	PP AC-7/28	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.465299	0.002114993
29	PP AC-7/29	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.465299	0.002114993

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
19	PP AC Lantai 7											
30	PP AC-7/30	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.465299	0.002114993
31	PP AC-7/31	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.465299	0.002114993
32	PP AC-7/32	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.465299	0.002114993
33	PP AC-7/33	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.9	220	0.465299	0.002114993
34	PP AC-7/34	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.7	220	0.594548	0.002702491
35	PP AC-7/35	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.7	220	0.594548	0.002702491
36	PP AC-7/36	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.7	220	0.594548	0.002702491
37	PP AC-7/37	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.7	220	0.594548	0.002702491
38	PP AC-7/38	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.7	220	0.594548	0.002702491
39	PP AC-7/39	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.7	220	0.594548	0.002702491
40	PP AC-7/40	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	9.8	220	1.578568	0.007175310
41	PP AC-7/41	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	2.7	380	0.325252	0.000855927
42	PP AC-7/42	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.1	380	0.495747	0.001304598
43	PP AC-7/43	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.1	380	0.495747	0.001304598
44	PP AC-7/44	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.1	380	0.495747	0.001304598
45	PP AC-7/45	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.6	380	0.558437	0.001469571
46	PP AC-7/46	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.6	380	0.558437	0.001469571
47	PP AC-7/47	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.6	380	0.558437	0.001469571
48	PP AC-7/48	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
49	PP AC-7/49	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
50	PP AC-7/50	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
51	PP AC-7/51	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
52	PP AC-7/52	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367
53	PP AC-7/53	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	5.5	380	0.663619	0.001746367

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
20	LP & PP Lantai 8											
1	PL-8/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.8	220	0.217139	0.000986997
2	PL-8/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.3	220	0.051269	0.000233041
3	PL-8/03	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.090475	0.000411249
4	PL-8/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.3	220	0.230711	0.001048684
5	PL-8/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.6	220	0.217139	0.000986997
6	PL-8/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.6	220	0.651418	0.002960991
7	PL-8/07	0.025	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.6	220	0.467453	0.002124785
8	PL-8/08	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.361899	0.001644995
9	PL-8/09	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.9	220	0.035974	0.000163520
10	KK-8/01	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.107708	0.000489582
11	KK-8/02	0.010	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.1	220	0.166947	0.000758852
12	KK-8/03	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.323124	0.001468745
13	KK-8/04	0.020	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.215416	0.000979164
14	KK-8/05	0.015	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.161562	0.000734373
15	KK-8/06	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.323124	0.001468745
16	KK-8/07	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.484686	0.002203118
17	KK-8/08	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.484686	0.002203118
18	KK-8/09	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.484686	0.002203118
19	KK-8/10	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.581623	0.002643742
20	KK-8/11	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.484686	0.002203118
21	KK-8/12	0.038	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.411948	0.001872491
22	KK-8/13	0.039	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.337611	0.001534594
23	KK-8/14	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.1	220	0.344666	0.001566662
24	KK-8/15	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.452374	0.002056243
25	KK-8/16	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	3.2	220	0.516998	0.002349993
26	KK-8/17	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.430832	0.001958327
27	KK-8/18	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.430832	0.001958327
28	KK-8/19	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.430832	0.001958327
29	KK-8/20	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.430832	0.001958327
30	KK-8/21	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.430832	0.001958327
31	KK-8/22	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.7	220	0.430832	0.001958327

Perhitungan Drop Tegangan

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
32	KK-8/23	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	4.1	220	0.667790	0.003035407
33	KK-8/24	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.8	220	0.452374	0.002056243
21	PP AC Lantai 8											
1	PP AC-8/01	0.030	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.6	220	0.078473	0.000356695
2	PP AC-8/02	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	0.6	220	0.117709	0.000535043
3	PP AC-8/03	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.176564	0.000802564
4	PP AC-8/04	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.176564	0.000802564
5	PP AC-8/05	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.176564	0.000802564
6	PP AC-8/06	0.045	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.176564	0.000802564
7	PP AC-8/07	0.038	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.150067	0.000682122
8	PP AC-8/08	0.039	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.153733	0.000698788
9	PP AC-8/09	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	1.0	220	0.156946	0.000713391
10	PP AC-8/10	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.355744	0.001617019
11	PP AC-8/11	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	2.2	220	0.355744	0.001617019
12	PP AC-8/12	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	11.9	220	1.916833	0.008712877
13	PP AC-8/13	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	11.9	220	1.916833	0.008712877
14	PP AC-8/14	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	11.9	220	1.916833	0.008712877
15	PP AC-8/15	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	11.9	220	1.916833	0.008712877
16	PP AC-8/16	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	11.9	220	1.916833	0.008712877
17	PP AC-8/17	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	11.9	220	1.916833	0.008712877
18	PP AC-8/18	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	11.9	220	1.916833	0.008712877
19	PP AC-8/19	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	11.9	220	1.916833	0.008712877
20	PP AC-8/20	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	11.9	220	1.916833	0.008712877
21	PP AC-8/21	0.040	NYM	3x2.5mm2	8.866	0.000318	0.100	3	11.9	220	1.916833	0.008712877
22	PP AC-8/22	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	4.1	380	0.495747	0.001304598
23	PP AC-8/23	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	7.1	380	0.858659	0.002259630
24	PP AC-8/24	0.040	NYM	4x2.5mm2	8.866	0.000318	0.100	4	7.1	380	0.858659	0.002259630
25	PP AC-8/25	0.030	NYM	4x2.5mm2	8.866	0.000318	0.100	4	7.1	380	0.643995	0.001694723
26	PP AC-8/26	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	7.1	380	0.965992	0.002542084
27	PP AC-8/27	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	7.1	380	0.965992	0.002542084
28	PP AC-8/28	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	7.1	380	0.965992	0.002542084
29	PP AC-8/29	0.045	NYM	4x2.5mm2	8.866	0.000318	0.100	4	7.1	380	0.965992	0.002542084

No	Nama Panel	l (KM)	TIPE	Ukuran Kabel	R (Ω /Km)	L (H/KM)	X (Ω /KM)	n	I (A)	V	ΔV (V)	ΔV (%)
30	PP AC-8/30	0.045	NYM	4x2.5mm ²	8.866	0.000318	0.100	4	7.1	380	0.965992	0.002542084
31	PP AC-8/31	0.038	NYM	4x2.5mm ²	8.866	0.000318	0.100	4	7.1	380	0.821023	0.002160588
32	PP AC-8/32	0.039	NYM	4x2.5mm ²	8.866	0.000318	0.100	4	9.5	380	1.125895	0.002962882
33	PP AC-8/33	0.040	NYM	4x2.5mm ²	8.866	0.000318	0.100	4	9.5	380	1.149422	0.003024796
34	PP AC-8/34	0.040	NYM	4x2.5mm ²	8.866	0.000318	0.100	4	9.5	380	1.149422	0.003024796
35	PP AC-8/35	0.040	NYM	4x2.5mm ²	8.866	0.000318	0.100	4	9.5	380	1.149422	0.003024796

3. Perhitungan *Breaking Capacity*

3. Perhitungan Arus Hubung Singkat

No	Nama Panel	I (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
1	SDP GEDUNG													
1	SDP LIFT	0.048	0.247000	0.000224	0.070	11.856	3.376	31.9480	12.3273	1.1	380	1.732	44.2753	5.4507
2	PC Pressurise Fan	0.005	1.467000	0.000238	0.075	7.335	0.374	31.9480	7.3445	1.1	380	1.732	39.2925	6.1419
3	PP ELEKTRONIK	0.005	2.334000	0.000248	0.078	11.670	0.389	31.9480	11.6765	1.1	380	1.732	43.6245	5.5320
4	LP & PP Lantai SB	0.040	2.190000	0.000269	0.084	87.600	3.379	31.9480	87.6651	1.1	380	1.732	119.6131	2.0176
5	LP & PP Lantai 1	0.015	2.190000	0.000269	0.084	32.850	1.267	31.9480	32.8744	1.1	380	1.732	64.8224	3.7230
6	PP AC Lantai 1	0.015	0.321000	0.000238	0.075	4.815	1.121	31.9480	4.9438	1.1	380	1.732	36.8917	6.5416
7	LP & PP Lantai 2	0.020	2.190000	0.000269	0.084	43.800	1.689	31.9480	43.8326	1.1	380	1.732	75.7805	3.1846
8	PP AC Lantai 2	0.020	0.627000	0.000246	0.077	12.540	1.545	31.9480	12.6348	1.1	380	1.732	44.5828	5.4131
9	LP & PP Lantai 3	0.024	2.190000	0.000269	0.084	52.560	2.027	31.9480	52.5991	1.1	380	1.732	84.5470	2.8544
10	PP AC Lantai 3	0.024	0.321000	0.000238	0.075	7.704	1.794	31.9480	7.9100	1.1	380	1.732	39.8580	6.0548
11	PP SERVER	0.024	2.190000	0.000269	0.084	52.560	2.027	31.9480	52.5991	1.1	380	1.732	84.5470	2.8544
12	LP & PP Lantai 4	0.028	2.190000	0.000269	0.084	61.320	2.365	31.9480	61.3656	1.1	380	1.732	93.3136	2.5863
13	PP AC Lantai 4	0.028	0.464000	0.000247	0.078	12.992	2.172	31.9480	13.1722	1.1	380	1.732	45.1202	5.3487
14	LP & PP Lantai 5	0.032	2.190000	0.000269	0.084	70.080	2.703	31.9480	70.1321	1.1	380	1.732	102.0801	2.3641
15	PP AC Lantai 5	0.032	0.464000	0.000247	0.078	14.848	2.482	31.9480	15.0540	1.1	380	1.732	47.0020	5.1345
16	LP & PP Lantai 6	0.036	2.190000	0.000269	0.084	78.840	3.041	31.9480	78.8986	1.1	380	1.732	110.8466	2.1772
17	PP AC Lantai 6	0.036	0.464000	0.000247	0.078	16.704	2.792	31.9480	16.9357	1.1	380	1.732	48.8837	4.9369
18	LP & PP Lantai 7	0.040	2.190000	0.000269	0.084	87.600	3.379	31.9480	87.6651	1.1	380	1.732	119.6131	2.0176
19	PP AC Lantai 7	0.040	0.464000	0.000247	0.078	18.560	3.102	31.9480	18.8175	1.1	380	1.732	50.7655	4.7539
20	LP & PP Lantai 8	0.044	2.190000	0.000269	0.084	96.360	3.717	31.9480	96.4316	1.1	380	1.732	128.3796	1.8798
21	PP AC Lantai 8	0.044	0.464000	0.000247	0.078	20.416	3.413	31.9480	20.6992	1.1	380	1.732	52.6472	4.5840
22	SDP ATAP	0.048	0.627000	0.000246	0.077	30.096	3.708	31.9480	30.3235	1.1	380	1.732	62.2715	3.8755
2	SDP POMPA													
1	PK POMPA AB	0.005	2.190000	0.000269	0.084	10.950	0.422	25.4065	10.9581	1.1	380	1.732	36.3647	6.6365
2	PK KURAS GWT	0.005	5.516000	0.000303	0.095	27.580	0.476	25.4065	27.5841	1.1	380	1.732	52.9906	4.5542
3	PK DEEP WELL	0.005	3.685000	0.000288	0.090	18.425	0.452	25.4065	18.4305	1.1	380	1.732	43.8371	5.5052
4	PK FWT	0.005	3.685000	0.000288	0.090	18.425	0.452	25.4065	18.4305	1.1	380	1.732	43.8371	5.5052
3	PK STP													
		0.010	1.376000	0.000255	0.080	13.760	0.801	32.8724	13.7833	1.1	380	1.732	46.6557	5.1726
4	PP POWER HOUSE													
		0.010	1.376000	0.000255	0.080	13.760	0.801	32.8724	13.7833	1.1	380	1.732	46.6557	5.1726

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
1	SDP LIFT													
1	PP LIFT 1	0.001	1.467000	0.000238	0.075	1.467	0.075	44.2753	1.4689	1.1	380	1.732	45.7442	5.2757
2	PP LIFT 2	0.002	1.467000	0.000238	0.075	2.934	0.149	44.2753	2.9378	1.1	380	1.732	47.2131	5.1116
3	PP LIFT 3	0.037	1.467000	0.000238	0.075	54.279	2.765	44.2753	54.3494	1.1	380	1.732	98.6247	2.4470
4	PP LIFT 4	0.037	1.467000	0.000238	0.075	54.279	2.765	44.2753	54.3494	1.1	380	1.732	98.6247	2.4470
2	PC Pressurise Fan													
	PC Pressurise Fan	0.005	2.334000	0.000248	0.078	11.670	0.389	39.2925	11.6765	1.1	380	1.732	50.9690	4.7349
3	PP ELEKTRONIK													
1	FIRE ALARM	0.006	5.516000	0.297000	93.258	33.096	559.548	43.6245	560.5259	1.1	380	1.732	604.1504	0.3995
2	SOUND SYSTEM	0.006	5.516000	0.297000	93.258	33.096	559.548	43.6245	560.5259	1.1	380	1.732	604.1504	0.3995
3	TELEPHONE	0.006	5.516000	0.297000	93.258	33.096	559.548	43.6245	560.5259	1.1	380	1.732	604.1504	0.3995
4	DATA	0.006	5.516000	0.297000	93.258	33.096	559.548	43.6245	560.5259	1.1	380	1.732	604.1504	0.3995
5	CCTV	0.006	5.516000	0.297000	93.258	33.096	559.548	43.6245	560.5259	1.1	380	1.732	604.1504	0.3995
4	LP & PP Lantai SB													
1	PL-SB/01	0.005	8.866000	0.000318	0.100	44.330	0.499	119.6131	44.3328	1.1	220	1.732	163.9459	0.8522
2	PL-SB/02	0.009	8.866000	0.000318	0.100	79.794	0.899	119.6131	79.7991	1.1	220	1.732	199.4122	0.7007
3	KK-SB/01	0.025	8.866000	0.000318	0.100	221.650	2.496	119.6131	221.6641	1.1	220	1.732	341.2772	0.4094
4	KK-SB/02	0.015	8.866000	0.000318	0.100	132.990	1.498	119.6131	132.9984	1.1	220	1.732	252.6115	0.5531
5	KK-SB/03	0.015	8.866000	0.000318	0.100	132.990	1.498	119.6131	132.9984	1.1	220	1.732	252.6115	0.5531
6	KK-SB/04	0.025	8.866000	0.000318	0.100	221.650	2.496	119.6131	221.6641	1.1	220	1.732	341.2772	0.4094
7	PP AC-SB/01	0.045	8.866000	0.000318	0.100	398.970	4.493	119.6131	398.9953	1.1	220	1.732	518.6084	0.2694
8	PP AC-SB/02	0.045	8.866000	0.000318	0.100	398.970	4.493	119.6131	398.9953	1.1	220	1.732	518.6084	0.2694
9	PP AC-SB/03	0.030	8.866000	0.000318	0.100	265.980	2.996	119.6131	265.9969	1.1	220	1.732	385.6100	0.3623
10	PP AC-SB/04	0.030	8.866000	0.000318	0.100	265.980	2.996	119.6131	265.9969	1.1	220	1.732	385.6100	0.3623
11	PP AC-SB/05	0.015	8.866000	0.000318	0.100	132.990	1.498	119.6131	132.9984	1.1	220	1.732	252.6115	0.5531
12	PP AC-SB/06	0.015	8.866000	0.000318	0.100	132.990	1.498	119.6131	132.9984	1.1	220	1.732	252.6115	0.5531

No	Nama Panel	l (KM)	R (Ω /Km)	L (H/KM)	X (Ω /KM)	R (m Ω)	X (m Ω)	Z1(m Ω)	Z2(m Ω)	Cmax	Un	akar 3	Z	I''K(A)
5	LP & PP Lantai 1													
1	PL-1/01	0.030	8.866000	0.000318	0.100	265.980	2.996	64.8224	265.9969	1.1	220	1.732	330.8193	0.4223
2	PL-1/02	0.055	8.866000	0.000318	0.100	487.630	5.492	64.8224	487.6609	1.1	220	1.732	552.4833	0.2529
3	PL-1/03	0.022	8.866000	0.000318	0.100	195.052	2.197	64.8224	195.0644	1.1	220	1.732	259.8868	0.5376
4	PL-1/04	0.035	8.866000	0.000318	0.100	310.310	3.495	64.8224	310.3297	1.1	220	1.732	375.1521	0.3724
5	PL-1/05	0.015	8.866000	0.000318	0.100	132.990	1.498	64.8224	132.9984	1.1	220	1.732	197.8208	0.7063
6	PL-1/06	0.013	8.866000	0.000318	0.100	115.258	1.298	64.8224	115.2653	1.1	220	1.732	180.0877	0.7758
7	KK-1/01	0.015	8.866000	0.000318	0.100	132.990	1.498	64.8224	132.9984	1.1	220	1.732	197.8208	0.7063
8	KK-1/02	0.044	8.866000	0.000318	0.100	390.104	4.393	64.8224	390.1287	1.1	220	1.732	454.9511	0.3071
9	KK-1/03	0.036	8.866000	0.000318	0.100	319.176	3.595	64.8224	319.1962	1.1	220	1.732	384.0186	0.3638
10	KK-1/04	0.030	8.866000	0.000318	0.100	265.980	2.996	64.8224	265.9969	1.1	220	1.732	330.8193	0.4223
11	KK-1/05	0.020	8.866000	0.000318	0.100	177.320	1.997	64.8224	177.3312	1.1	220	1.732	242.1536	0.5770
12	KK-1/06	0.030	8.866000	0.000318	0.100	265.980	2.996	64.8224	265.9969	1.1	220	1.732	330.8193	0.4223
13	KK-1/07	0.035	8.866000	0.000318	0.100	310.310	3.495	64.8224	310.3297	1.1	220	1.732	375.1521	0.3724
14	KK-1/08	0.040	8.866000	0.000318	0.100	354.640	3.994	64.8224	354.6625	1.1	220	1.732	419.4849	0.3331
15	KK-1/09	0.045	8.866000	0.000318	0.100	398.970	4.493	64.8224	398.9953	1.1	220	1.732	463.8177	0.3012
16	KK-1/10	0.050	8.866000	0.000318	0.100	443.300	4.993	64.8224	443.3281	1.1	220	1.732	508.1505	0.2750
17	KK-1/11	0.050	8.866000	0.000318	0.100	443.300	4.993	64.8224	443.3281	1.1	220	1.732	508.1505	0.2750
18	KK-1/12	0.055	8.866000	0.000318	0.100	487.630	5.492	64.8224	487.6609	1.1	220	1.732	552.4833	0.2529
19	KK-1/13	0.055	8.866000	0.000318	0.100	487.630	5.492	64.8224	487.6609	1.1	220	1.732	552.4833	0.2529
6	PP AC Lantai 1													
1	PP AC-1/01	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	220	1.732	391.5542	0.3568
2	PP AC-1/02	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	220	1.732	391.5542	0.3568
3	PP AC-1/03	0.050	8.866000	0.000318	0.100	443.300	4.993	36.8917	443.3281	1.1	220	1.732	480.2199	0.2909
4	PP AC-1/04	0.050	8.866000	0.000318	0.100	443.300	4.993	36.8917	443.3281	1.1	220	1.732	480.2199	0.2909
5	PP AC-1/05	0.050	8.866000	0.000318	0.100	443.300	4.993	36.8917	443.3281	1.1	220	1.732	480.2199	0.2909
6	PP AC-1/06	0.050	8.866000	0.000318	0.100	443.300	4.993	36.8917	443.3281	1.1	220	1.732	480.2199	0.2909
7	PP AC-1/07	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	220	1.732	391.5542	0.3568
8	PP AC-1/08	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	220	1.732	391.5542	0.3568
9	PP AC-1/09	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	220	1.732	391.5542	0.3568
10	PP AC-1/10	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	220	1.732	391.5542	0.3568

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
11	PP AC-1/11	0.060	8.866000	0.000318	0.100	531.960	5.991	36.8917	531.9937	1.1	380	1.732	568.8855	0.4242
12	PP AC-1/12	0.060	8.866000	0.000318	0.100	531.960	5.991	36.8917	531.9937	1.1	380	1.732	568.8855	0.4242
13	PP AC-1/13	0.060	8.866000	0.000318	0.100	531.960	5.991	36.8917	531.9937	1.1	380	1.732	568.8855	0.4242
14	PP AC-1/14	0.060	8.866000	0.000318	0.100	531.960	5.991	36.8917	531.9937	1.1	380	1.732	568.8855	0.4242
15	PP AC-1/15	0.060	8.866000	0.000318	0.100	531.960	5.991	36.8917	531.9937	1.1	380	1.732	568.8855	0.4242
16	PP AC-1/16	0.060	8.866000	0.000318	0.100	531.960	5.991	36.8917	531.9937	1.1	380	1.732	568.8855	0.4242
17	PP AC-1/17	0.060	8.866000	0.000318	0.100	531.960	5.991	36.8917	531.9937	1.1	380	1.732	568.8855	0.4242
18	PP AC-1/18	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	380	1.732	391.5542	0.6163
19	PP AC-1/19	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	380	1.732	391.5542	0.6163
20	PP AC-1/20	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	380	1.732	391.5542	0.6163
21	PP AC-1/21	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	380	1.732	391.5542	0.6163
22	PP AC-1/22	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	380	1.732	391.5542	0.6163
23	PP AC-1/23	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	380	1.732	391.5542	0.6163
24	PP AC-1/24	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	380	1.732	391.5542	0.6163
25	PP AC-1/25	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	380	1.732	391.5542	0.6163
26	PP AC-1/26	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	380	1.732	391.5542	0.6163
27	PP AC-1/27	0.040	8.866000	0.000318	0.100	354.640	3.994	36.8917	354.6625	1.1	380	1.732	391.5542	0.6163
7	LP & PP Lantai 2													
1	PL-2/01	0.035	8.866000	0.000318	0.100	310.310	3.495	75.7805	310.3297	1.1	220	1.732	386.1102	0.3619
2	PL-2/02	0.010	8.866000	0.000318	0.100	88.660	0.999	75.7805	88.6656	1.1	220	1.732	164.4462	0.8496
3	PL-2/03	0.010	8.866000	0.000318	0.100	88.660	0.999	75.7805	88.6656	1.1	220	1.732	164.4462	0.8496
4	PL-2/04	0.045	8.866000	0.000318	0.100	398.970	4.493	75.7805	398.9953	1.1	220	1.732	474.7758	0.2943
5	PL-2/05	0.015	8.866000	0.000318	0.100	132.990	1.498	75.7805	132.9984	1.1	220	1.732	208.7790	0.6692
6	PL-2/06	0.040	8.866000	0.000318	0.100	354.640	3.994	75.7805	354.6625	1.1	220	1.732	430.4430	0.3246
7	PL-2/07	0.015	8.866000	0.000318	0.100	132.990	1.498	75.7805	132.9984	1.1	220	1.732	208.7790	0.6692
8	PL-2/08	0.025	8.866000	0.000318	0.100	221.650	2.496	75.7805	221.6641	1.1	220	1.732	297.4446	0.4697
9	KK-2/01	0.010	8.866000	0.000318	0.100	88.660	0.999	75.7805	88.6656	1.1	220	1.732	164.4462	0.8496
10	KK-2/02	0.025	8.866000	0.000318	0.100	221.650	2.496	75.7805	221.6641	1.1	220	1.732	297.4446	0.4697
11	KK-2/03	0.010	8.866000	0.000318	0.100	88.660	0.999	75.7805	88.6656	1.1	220	1.732	164.4462	0.8496
12	KK-2/04	0.010	8.866000	0.000318	0.100	88.660	0.999	75.7805	88.6656	1.1	220	1.732	164.4462	0.8496
13	KK-2/05	0.030	8.866000	0.000318	0.100	265.980	2.996	75.7805	265.9969	1.1	220	1.732	341.7774	0.4088
14	KK-2/06	0.020	8.866000	0.000318	0.100	177.320	1.997	75.7805	177.3312	1.1	220	1.732	253.1118	0.5520

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
15	KK-2/07	0.015	8.866000	0.000318	0.100	132.990	1.498	75.7805	132.9984	1.1	220	1.732	208.7790	0.6692
16	KK-2/08	0.030	8.866000	0.000318	0.100	265.980	2.996	75.7805	265.9969	1.1	220	1.732	341.7774	0.4088
17	KK-2/09	0.045	8.866000	0.000318	0.100	398.970	4.493	75.7805	398.9953	1.1	220	1.732	474.7758	0.2943
8	PP AC Lantai 2													
1	PP AC-2/01	0.030	8.866000	0.000318	0.100	265.980	2.996	44.5828	265.9969	1.1	220	1.732	310.5796	0.4499
2	PP AC-2/02	0.010	8.866000	0.000318	0.100	88.660	0.999	44.5828	88.6656	1.1	220	1.732	133.2484	1.0486
3	PP AC-2/03	0.010	8.866000	0.000318	0.100	88.660	0.999	44.5828	88.6656	1.1	220	1.732	133.2484	1.0486
4	PP AC-2/04	0.045	8.866000	0.000318	0.100	398.970	4.493	44.5828	398.9953	1.1	220	1.732	443.5781	0.3150
5	PP AC-2/05	0.015	8.866000	0.000318	0.100	132.990	1.498	44.5828	132.9984	1.1	220	1.732	177.5812	0.7868
6	PP AC-2/06	0.045	8.866000	0.000318	0.100	398.970	4.493	44.5828	398.9953	1.1	220	1.732	443.5781	0.3150
7	PP AC-2/07	0.025	8.866000	0.000318	0.100	221.650	2.496	44.5828	221.6641	1.1	220	1.732	266.2468	0.5248
8	PP AC-2/08	0.040	8.866000	0.000318	0.100	354.640	3.994	44.5828	354.6625	1.1	220	1.732	399.2453	0.3500
9	PP AC-2/09	0.010	8.866000	0.000318	0.100	88.660	0.999	44.5828	88.6656	1.1	220	1.732	133.2484	1.0486
10	PP AC-2/10	0.010	8.866000	0.000318	0.100	88.660	0.999	44.5828	88.6656	1.1	380	1.732	133.2484	1.8111
11	PP AC-2/11	0.025	8.866000	0.000318	0.100	221.650	2.496	44.5828	221.6641	1.1	380	1.732	266.2468	0.9064
12	PP AC-2/12	0.010	8.866000	0.000318	0.100	88.660	0.999	44.5828	88.6656	1.1	380	1.732	133.2484	1.8111
13	PP AC-2/13	0.010	8.866000	0.000318	0.100	88.660	0.999	44.5828	88.6656	1.1	380	1.732	133.2484	1.8111
14	PP AC-2/14	0.030	8.866000	0.000318	0.100	265.980	2.996	44.5828	265.9969	1.1	380	1.732	310.5796	0.7770
15	PP AC-2/15	0.020	8.866000	0.000318	0.100	177.320	1.997	44.5828	177.3312	1.1	380	1.732	221.9140	1.0875
16	PP AC-2/16	0.015	8.866000	0.000318	0.100	132.990	1.498	44.5828	132.9984	1.1	380	1.732	177.5812	1.3590
17	PP AC-2/17	0.030	8.866000	0.000318	0.100	265.980	2.996	44.5828	265.9969	1.1	380	1.732	310.5796	0.7770
18	PP AC-2/18	0.045	8.866000	0.000318	0.100	398.970	4.493	44.5828	398.9953	1.1	380	1.732	443.5781	0.5441
19	PP AC-2/19	0.045	8.866000	0.000318	0.100	398.970	4.493	44.5828	398.9953	1.1	380	1.732	443.5781	0.5441
20	PP AC-2/20	0.045	8.866000	0.000318	0.100	398.970	4.493	44.5828	398.9953	1.1	380	1.732	443.5781	0.5441
21	PP AC-2/21	0.045	8.866000	0.000318	0.100	398.970	4.493	44.5828	398.9953	1.1	380	1.732	443.5781	0.5441
22	PP AC-2/22	0.045	8.866000	0.000318	0.100	398.970	4.493	44.5828	398.9953	1.1	380	1.732	443.5781	0.5441
23	PP AC-2/23	0.038	8.866000	0.000318	0.100	339.096	3.819	44.5828	339.1172	1.1	380	1.732	383.7000	0.6290
24	PP AC-2/24	0.039	8.866000	0.000318	0.100	347.381	3.912	44.5828	347.4030	1.1	380	1.732	391.9858	0.6157

No	Nama Panel	l (KM)	R (Ω /Km)	L (H/KM)	X (Ω /KM)	R (m Ω)	X (m Ω)	Z1(m Ω)	Z2(m Ω)	Cmax	Un	akar 3	Z	I''K(A)
9	LP & PP Lantai 3													
1	PL-3/01	0.037	8.866000	0.000318	0.100	328.042	3.695	84.5470	328.0628	1.1	220	1.732	412.6099	0.3386
2	PL-3/02	0.037	8.866000	0.000318	0.100	328.042	3.695	84.5470	328.0628	1.1	220	1.732	412.6099	0.3386
3	PL-3/03	0.020	8.866000	0.000318	0.100	177.320	1.997	84.5470	177.3312	1.1	220	1.732	261.8783	0.5335
4	PL-3/04	0.045	8.866000	0.000318	0.100	398.970	4.493	84.5470	398.9953	1.1	220	1.732	483.5424	0.2889
5	PL-3/05	0.015	8.866000	0.000318	0.100	132.990	1.498	84.5470	132.9984	1.1	220	1.732	217.5455	0.6423
6	KK-3/01	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
7	KK-3/02	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
8	KK-3/03	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
9	KK-3/04	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
10	KK-3/05	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
11	KK-3/06	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
12	KK-3/07	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
13	KK-3/08	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
14	KK-3/09	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
15	KK-3/10	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
10	PP AC Lantai 3													
1	PP AC-3/01	0.030	8.866000	0.000318	0.100	265.980	2.996	39.8580	265.9969	1.1	220	1.732	305.8549	0.4568
2	PP AC-3/02	0.010	8.866000	0.000318	0.100	88.660	0.999	39.8580	88.6656	1.1	220	1.732	128.5236	1.0871
3	PP AC-3/03	0.010	8.866000	0.000318	0.100	88.660	0.999	39.8580	88.6656	1.1	220	1.732	128.5236	1.0871
4	PP AC-3/04	0.045	8.866000	0.000318	0.100	398.970	4.493	39.8580	398.9953	1.1	220	1.732	438.8533	0.3184
5	PP AC-3/05	0.015	8.866000	0.000318	0.100	132.990	1.498	39.8580	132.9984	1.1	220	1.732	172.8564	0.8083
6	PP AC-3/06	0.045	8.866000	0.000318	0.100	398.970	4.493	39.8580	398.9953	1.1	220	1.732	438.8533	0.3184
7	PP AC-3/07	0.025	8.866000	0.000318	0.100	221.650	2.496	39.8580	221.6641	1.1	220	1.732	261.5221	0.5343
8	PP AC-3/08	0.040	8.866000	0.000318	0.100	354.640	3.994	39.8580	354.6625	1.1	220	1.732	394.5205	0.3541
9	PP AC-3/09	0.010	8.866000	0.000318	0.100	88.660	0.999	39.8580	88.6656	1.1	220	1.732	128.5236	1.0871
10	PP AC-3/10	0.010	8.866000	0.000318	0.100	88.660	0.999	39.8580	88.6656	1.1	220	1.732	128.5236	1.0871
11	PP AC-3/11	0.025	8.866000	0.000318	0.100	221.650	2.496	39.8580	221.6641	1.1	220	1.732	261.5221	0.5343
12	PP AC-3/12	0.010	8.866000	0.000318	0.100	88.660	0.999	39.8580	88.6656	1.1	220	1.732	128.5236	1.0871
13	PP AC-3/13	0.010	8.866000	0.000318	0.100	88.660	0.999	39.8580	88.6656	1.1	220	1.732	128.5236	1.0871
14	PP AC-3/14	0.030	8.866000	0.000318	0.100	265.980	2.996	39.8580	265.9969	1.1	220	1.732	305.8549	0.4568
15	PP AC-3/15	0.020	8.866000	0.000318	0.100	177.320	1.997	39.8580	177.3312	1.1	220	1.732	217.1892	0.6433

No	Nama Panel	l (KM)	R (Ω /Km)	L (H/KM)	X (Ω /KM)	R (m Ω)	X (m Ω)	Z_1 (m Ω)	Z_2 (m Ω)	C_{max}	U_n	akar 3	Z	$I''K(A)$
16	PP AC-3/16	0.015	8.866000	0.000318	0.100	132.990	1.498	39.8580	132.9984	1.1	220	1.732	172.8564	0.8083
17	PP AC-3/17	0.030	8.866000	0.000318	0.100	265.980	2.996	39.8580	265.9969	1.1	220	1.732	305.8549	0.4568
18	PP AC-3/18	0.045	8.866000	0.000318	0.100	398.970	4.493	39.8580	398.9953	1.1	220	1.732	438.8533	0.3184
19	PP AC-3/19	0.045	8.866000	0.000318	0.100	398.970	4.493	39.8580	398.9953	1.1	220	1.732	438.8533	0.3184
20	PP AC-3/20	0.045	8.866000	0.000318	0.100	398.970	4.493	39.8580	398.9953	1.1	380	1.732	438.8533	0.5499
21	PP AC-3/21	0.045	8.866000	0.000318	0.100	398.970	4.493	39.8580	398.9953	1.1	380	1.732	438.8533	0.5499
22	PP AC-3/22	0.045	8.866000	0.000318	0.100	398.970	4.493	39.8580	398.9953	1.1	380	1.732	438.8533	0.5499
23	PP AC-3/23	0.038	8.866000	0.000318	0.100	339.096	3.819	39.8580	339.1172	1.1	380	1.732	378.9752	0.6368
24	PP AC-3/24	0.039	8.866000	0.000318	0.100	347.381	3.912	39.8580	347.4030	1.1	380	1.732	387.2610	0.6232
25	PP AC-3/25	0.040	8.866000	0.000318	0.100	355.666	4.006	39.8580	355.6888	1.1	380	1.732	395.5468	0.6101
26	PP AC-3/26	0.040	8.866000	0.000318	0.100	355.666	4.006	39.8580	355.6888	1.1	380	1.732	395.5468	0.6101
27	PP AC-3/27	0.040	8.866000	0.000318	0.100	355.666	4.006	39.8580	355.6888	1.1	380	1.732	395.5468	0.6101
28	PP AC-3/28	0.040	8.866000	0.000318	0.100	355.666	4.006	39.8580	355.6888	1.1	380	1.732	395.5468	0.6101
29	PP AC-3/29	0.040	8.866000	0.000318	0.100	355.666	4.006	39.8580	355.6888	1.1	380	1.732	395.5468	0.6101
30	PP AC-3/30	0.040	8.866000	0.000318	0.100	355.666	4.006	39.8580	355.6888	1.1	380	1.732	395.5468	0.6101
31	PP AC-3/31	0.040	8.866000	0.000318	0.100	355.666	4.006	39.8580	355.6888	1.1	380	1.732	395.5468	0.6101
32	PP AC-3/32	0.040	8.866000	0.000318	0.100	355.666	4.006	39.8580	355.6888	1.1	380	1.732	395.5468	0.6101
33	PP AC-3/33	0.040	8.866000	0.000318	0.100	355.666	4.006	39.8580	355.6888	1.1	380	1.732	395.5468	0.6101
34	PP AC-3/34	0.040	8.866000	0.000318	0.100	355.666	4.006	39.8580	355.6888	1.1	380	1.732	395.5468	0.6101
11	PP SERVER													
1	KK-SERVER/01	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
2	KK-SERVER/02	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
3	KK-SERVER/03	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
4	KK-SERVER/04	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
5	KK-SERVER/05	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
6	KK-SERVER/06	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181
7	KK-SERVER/07	0.040	8.866000	0.000318	0.100	354.640	3.994	84.5470	354.6625	1.1	220	1.732	439.2095	0.3181

No	Nama Panel	l (KM)	R (Ω /Km)	L (H/KM)	X (Ω /KM)	R (m Ω)	X (m Ω)	$Z1$ (m Ω)	$Z2$ (m Ω)	C_{max}	U_n	akar 3	Z	$I''K(A)$
12	LP & PP Lantai 4													
1	PL-4/01	0.030	8.866000	0.000318	0.100	265.980	2.996	93.3136	265.9969	1.1	220	1.732	359.3104	0.3889
2	PL-4/02	0.010	8.866000	0.000318	0.100	88.660	0.999	93.3136	88.6656	1.1	220	1.732	181.9792	0.7678
3	PL-4/03	0.010	8.866000	0.000318	0.100	88.660	0.999	93.3136	88.6656	1.1	220	1.732	181.9792	0.7678
4	PL-4/04	0.045	8.866000	0.000318	0.100	398.970	4.493	93.3136	398.9953	1.1	220	1.732	492.3089	0.2838
5	PL-4/05	0.015	8.866000	0.000318	0.100	132.990	1.498	93.3136	132.9984	1.1	220	1.732	226.3120	0.6174
6	PL-4/06	0.045	8.866000	0.000318	0.100	398.970	4.493	93.3136	398.9953	1.1	220	1.732	492.3089	0.2838
7	PL-4/07	0.025	8.866000	0.000318	0.100	221.650	2.496	93.3136	221.6641	1.1	220	1.732	314.9776	0.4436
8	PL-4/08	0.040	8.866000	0.000318	0.100	354.640	3.994	93.3136	354.6625	1.1	220	1.732	447.9761	0.3119
9	PL-4/09	0.010	8.866000	0.000318	0.100	88.660	0.999	93.3136	88.6656	1.1	220	1.732	181.9792	0.7678
10	KK-4/01	0.010	8.866000	0.000318	0.100	88.660	0.999	93.3136	88.6656	1.1	220	1.732	181.9792	0.7678
11	KK-4/02	0.010	8.866000	0.000318	0.100	88.660	0.999	93.3136	88.6656	1.1	220	1.732	181.9792	0.7678
12	KK-4/03	0.030	8.866000	0.000318	0.100	265.980	2.996	93.3136	265.9969	1.1	220	1.732	359.3104	0.3889
13	KK-4/04	0.020	8.866000	0.000318	0.100	177.320	1.997	93.3136	177.3312	1.1	220	1.732	270.6448	0.5162
14	KK-4/05	0.015	8.866000	0.000318	0.100	132.990	1.498	93.3136	132.9984	1.1	220	1.732	226.3120	0.6174
15	KK-4/06	0.030	8.866000	0.000318	0.100	265.980	2.996	93.3136	265.9969	1.1	220	1.732	359.3104	0.3889
16	KK-4/07	0.045	8.866000	0.000318	0.100	398.970	4.493	93.3136	398.9953	1.1	220	1.732	492.3089	0.2838
17	KK-4/08	0.045	8.866000	0.000318	0.100	398.970	4.493	93.3136	398.9953	1.1	220	1.732	492.3089	0.2838
18	KK-4/09	0.045	8.866000	0.000318	0.100	398.970	4.493	93.3136	398.9953	1.1	220	1.732	492.3089	0.2838
19	KK-4/10	0.045	8.866000	0.000318	0.100	398.970	4.493	93.3136	398.9953	1.1	220	1.732	492.3089	0.2838
20	KK-4/11	0.045	8.866000	0.000318	0.100	398.970	4.493	93.3136	398.9953	1.1	220	1.732	492.3089	0.2838
13	PP AC Lantai 4													
1	PP AC-4/01	0.030	8.866000	0.000318	0.100	265.980	2.996	45.1202	265.9969	1.1	220	1.732	311.1171	0.4491
2	PP AC-4/02	0.010	8.866000	0.000318	0.100	88.660	0.999	45.1202	88.6656	1.1	220	1.732	133.7858	1.0443
3	PP AC-4/03	0.010	8.866000	0.000318	0.100	88.660	0.999	45.1202	88.6656	1.1	220	1.732	133.7858	1.0443
4	PP AC-4/04	0.045	8.866000	0.000318	0.100	398.970	4.493	45.1202	398.9953	1.1	220	1.732	444.1155	0.3146
5	PP AC-4/05	0.015	8.866000	0.000318	0.100	132.990	1.498	45.1202	132.9984	1.1	220	1.732	178.1186	0.7844
6	PP AC-4/06	0.045	8.866000	0.000318	0.100	398.970	4.493	45.1202	398.9953	1.1	220	1.732	444.1155	0.3146
7	PP AC-4/07	0.025	8.866000	0.000318	0.100	221.650	2.496	45.1202	221.6641	1.1	220	1.732	266.7843	0.5237
8	PP AC-4/08	0.040	8.866000	0.000318	0.100	354.640	3.994	45.1202	354.6625	1.1	220	1.732	399.7827	0.3495
9	PP AC-4/09	0.010	8.866000	0.000318	0.100	88.660	0.999	45.1202	88.6656	1.1	220	1.732	133.7858	1.0443
10	PP AC-4/10	0.010	8.866000	0.000318	0.100	88.660	0.999	45.1202	88.6656	1.1	220	1.732	133.7858	1.0443

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
11	PP AC-4/11	0.025	8.866000	0.000318	0.100	221.650	2.496	45.1202	221.6641	1.1	220	1.732	266.7843	0.5237
12	PP AC-4/12	0.010	8.866000	0.000318	0.100	88.660	0.999	45.1202	88.6656	1.1	220	1.732	133.7858	1.0443
13	PP AC-4/13	0.010	8.866000	0.000318	0.100	88.660	0.999	45.1202	88.6656	1.1	220	1.732	133.7858	1.0443
14	PP AC-4/14	0.030	8.866000	0.000318	0.100	265.980	2.996	45.1202	265.9969	1.1	220	1.732	311.1171	0.4491
15	PP AC-4/15	0.020	8.866000	0.000318	0.100	177.320	1.997	45.1202	177.3312	1.1	220	1.732	222.4515	0.6281
16	PP AC-4/16	0.015	8.866000	0.000318	0.100	132.990	1.498	45.1202	132.9984	1.1	380	1.732	178.1186	1.3549
17	PP AC-4/17	0.030	8.866000	0.000318	0.100	265.980	2.996	45.1202	265.9969	1.1	380	1.732	311.1171	0.7757
18	PP AC-4/18	0.045	8.866000	0.000318	0.100	398.970	4.493	45.1202	398.9953	1.1	380	1.732	444.1155	0.5434
19	PP AC-4/19	0.045	8.866000	0.000318	0.100	398.970	4.493	45.1202	398.9953	1.1	380	1.732	444.1155	0.5434
20	PP AC-4/20	0.045	8.866000	0.000318	0.100	398.970	4.493	45.1202	398.9953	1.1	380	1.732	444.1155	0.5434
21	PP AC-4/21	0.045	8.866000	0.000318	0.100	398.970	4.493	45.1202	398.9953	1.1	380	1.732	444.1155	0.5434
22	PP AC-4/22	0.045	8.866000	0.000318	0.100	398.970	4.493	45.1202	398.9953	1.1	380	1.732	444.1155	0.5434
23	PP AC-4/23	0.038	8.866000	0.000318	0.100	339.096	3.819	45.1202	339.1172	1.1	380	1.732	384.2374	0.6281
24	PP AC-4/24	0.039	8.866000	0.000318	0.100	347.381	3.912	45.1202	347.4030	1.1	380	1.732	392.5232	0.6148
25	PP AC-4/25	0.040	8.866000	0.000318	0.100	355.666	4.006	45.1202	355.6888	1.1	380	1.732	400.8090	0.6021
26	PP AC-4/26	0.040	8.866000	0.000318	0.100	355.666	4.006	45.1202	355.6888	1.1	380	1.732	400.8090	0.6021
27	PP AC-4/27	0.040	8.866000	0.000318	0.100	355.666	4.006	45.1202	355.6888	1.1	380	1.732	400.8090	0.6021
28	PP AC-4/28	0.040	8.866000	0.000318	0.100	355.666	4.006	45.1202	355.6888	1.1	380	1.732	400.8090	0.6021
29	PP AC-4/29	0.040	8.866000	0.000318	0.100	355.666	4.006	45.1202	355.6888	1.1	380	1.732	400.8090	0.6021
30	PP AC-4/30	0.040	8.866000	0.000318	0.100	355.666	4.006	45.1202	355.6888	1.1	380	1.732	400.8090	0.6021
14	LP & PP Lantai 5													
1	PL-5/01	0.030	8.866000	0.000318	0.100	265.980	2.996	102.0801	265.9969	1.1	220	1.732	368.0769	0.3796
2	PL-5/02	0.010	8.866000	0.000318	0.100	88.660	0.999	102.0801	88.6656	1.1	220	1.732	190.7457	0.7325
3	PL-5/03	0.010	8.866000	0.000318	0.100	88.660	0.999	102.0801	88.6656	1.1	220	1.732	190.7457	0.7325
4	PL-5/04	0.045	8.866000	0.000318	0.100	398.970	4.493	102.0801	398.9953	1.1	220	1.732	501.0754	0.2788
5	PL-5/05	0.015	8.866000	0.000318	0.100	132.990	1.498	102.0801	132.9984	1.1	220	1.732	235.0785	0.5943
6	PL-5/06	0.045	8.866000	0.000318	0.100	398.970	4.493	102.0801	398.9953	1.1	220	1.732	501.0754	0.2788
7	PL-5/07	0.025	8.866000	0.000318	0.100	221.650	2.496	102.0801	221.6641	1.1	220	1.732	323.7441	0.4316
8	PL-5/08	0.040	8.866000	0.000318	0.100	354.640	3.994	102.0801	354.6625	1.1	220	1.732	456.7426	0.3059
9	PL-5/09	0.010	8.866000	0.000318	0.100	88.660	0.999	102.0801	88.6656	1.1	220	1.732	190.7457	0.7325
10	PL-5/10	0.010	8.866000	0.000318	0.100	88.660	0.999	102.0801	88.6656	1.1	220	1.732	190.7457	0.7325

No	Nama Panel	l (KM)	R (Ω /Km)	L (H/KM)	X (Ω /KM)	R (m Ω)	X (m Ω)	Z_1 (m Ω)	Z_2 (m Ω)	C_{max}	U_n	akar 3	Z	$I''K(A)$
11	PL-5/11	0.025	8.866000	0.000318	0.100	221.650	2.496	102.0801	221.6641	1.1	220	1.732	323.7441	0.4316
12	KK-5/01	0.030	8.866000	0.000318	0.100	265.980	2.996	102.0801	265.9969	1.1	220	1.732	368.0769	0.3796
13	KK-5/02	0.020	8.866000	0.000318	0.100	177.320	1.997	102.0801	177.3312	1.1	220	1.732	279.4113	0.5000
14	KK-5/03	0.015	8.866000	0.000318	0.100	132.990	1.498	102.0801	132.9984	1.1	220	1.732	235.0785	0.5943
15	KK-5/04	0.030	8.866000	0.000318	0.100	265.980	2.996	102.0801	265.9969	1.1	220	1.732	368.0769	0.3796
16	KK-5/05	0.045	8.866000	0.000318	0.100	398.970	4.493	102.0801	398.9953	1.1	220	1.732	501.0754	0.2788
17	KK-5/06	0.045	8.866000	0.000318	0.100	398.970	4.493	102.0801	398.9953	1.1	220	1.732	501.0754	0.2788
18	KK-5/07	0.045	8.866000	0.000318	0.100	398.970	4.493	102.0801	398.9953	1.1	220	1.732	501.0754	0.2788
19	KK-5/08	0.045	8.866000	0.000318	0.100	398.970	4.493	102.0801	398.9953	1.1	220	1.732	501.0754	0.2788
20	KK-5/09	0.045	8.866000	0.000318	0.100	398.970	4.493	102.0801	398.9953	1.1	220	1.732	501.0754	0.2788
21	KK-5/10	0.038	8.866000	0.000318	0.100	339.096	3.819	102.0801	339.1172	1.1	220	1.732	441.1973	0.3167
22	KK-5/11	0.039	8.866000	0.000318	0.100	347.381	3.912	102.0801	347.4030	1.1	220	1.732	449.4831	0.3108
15	PP AC Lantai 5													
1	PP AC-5/01	0.030	8.866000	0.000318	0.100	265.980	2.996	47.0020	265.9969	1.1	220	1.732	312.9988	0.4464
2	PP AC-5/02	0.010	8.866000	0.000318	0.100	88.660	0.999	47.0020	88.6656	1.1	220	1.732	135.6676	1.0299
3	PP AC-5/03	0.010	8.866000	0.000318	0.100	88.660	0.999	47.0020	88.6656	1.1	220	1.732	135.6676	1.0299
4	PP AC-5/04	0.045	8.866000	0.000318	0.100	398.970	4.493	47.0020	398.9953	1.1	220	1.732	445.9973	0.3133
5	PP AC-5/05	0.015	8.866000	0.000318	0.100	132.990	1.498	47.0020	132.9984	1.1	220	1.732	180.0004	0.7762
6	PP AC-5/06	0.045	8.866000	0.000318	0.100	398.970	4.493	47.0020	398.9953	1.1	220	1.732	445.9973	0.3133
7	PP AC-5/07	0.025	8.866000	0.000318	0.100	221.650	2.496	47.0020	221.6641	1.1	220	1.732	268.6660	0.5200
8	PP AC-5/08	0.040	8.866000	0.000318	0.100	354.640	3.994	47.0020	354.6625	1.1	220	1.732	401.6645	0.3478
9	PP AC-5/09	0.010	8.866000	0.000318	0.100	88.660	0.999	47.0020	88.6656	1.1	220	1.732	135.6676	1.0299
10	PP AC-5/10	0.010	8.866000	0.000318	0.100	88.660	0.999	47.0020	88.6656	1.1	220	1.732	135.6676	1.0299
11	PP AC-5/11	0.025	8.866000	0.000318	0.100	221.650	2.496	47.0020	221.6641	1.1	220	1.732	268.6660	0.5200
12	PP AC-5/12	0.010	8.866000	0.000318	0.100	88.660	0.999	47.0020	88.6656	1.1	220	1.732	135.6676	1.0299
13	PP AC-5/13	0.010	8.866000	0.000318	0.100	88.660	0.999	47.0020	88.6656	1.1	220	1.732	135.6676	1.0299
14	PP AC-5/14	0.030	8.866000	0.000318	0.100	265.980	2.996	47.0020	265.9969	1.1	220	1.732	312.9988	0.4464
15	PP AC-5/15	0.020	8.866000	0.000318	0.100	177.320	1.997	47.0020	177.3312	1.1	220	1.732	224.3332	0.6228
16	PP AC-5/16	0.015	8.866000	0.000318	0.100	132.990	1.498	47.0020	132.9984	1.1	220	1.732	180.0004	0.7762
17	PP AC-5/17	0.030	8.866000	0.000318	0.100	265.980	2.996	47.0020	265.9969	1.1	220	1.732	312.9988	0.4464
18	PP AC-5/18	0.045	8.866000	0.000318	0.100	398.970	4.493	47.0020	398.9953	1.1	220	1.732	445.9973	0.3133

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
19	PP AC-5/19	0.045	8.866000	0.000318	0.100	398.970	4.493	47.0020	398.9953	1.1	380	1.732	445.9973	0.5411
20	PP AC-5/20	0.045	8.866000	0.000318	0.100	398.970	4.493	47.0020	398.9953	1.1	380	1.732	445.9973	0.5411
21	PP AC-5/21	0.045	8.866000	0.000318	0.100	398.970	4.493	47.0020	398.9953	1.1	380	1.732	445.9973	0.5411
22	PP AC-5/22	0.045	8.866000	0.000318	0.100	398.970	4.493	47.0020	398.9953	1.1	380	1.732	445.9973	0.5411
23	PP AC-5/23	0.038	8.866000	0.000318	0.100	339.096	3.819	47.0020	339.1172	1.1	380	1.732	386.1192	0.6250
24	PP AC-5/24	0.039	8.866000	0.000318	0.100	347.381	3.912	47.0020	347.4030	1.1	380	1.732	394.4050	0.6119
25	PP AC-5/25	0.040	8.866000	0.000318	0.100	354.640	3.994	47.0020	354.6625	1.1	380	1.732	401.6645	0.6008
26	PP AC-5/26	0.040	8.866000	0.000318	0.100	354.640	3.994	47.0020	354.6625	1.1	380	1.732	401.6645	0.6008
27	PP AC-5/27	0.040	8.866000	0.000318	0.100	354.640	3.994	47.0020	354.6625	1.1	380	1.732	401.6645	0.6008
28	PP AC-5/28	0.040	8.866000	0.000318	0.100	354.640	3.994	47.0020	354.6625	1.1	380	1.732	401.6645	0.6008
29	PP AC-5/29	0.040	8.866000	0.000318	0.100	354.640	3.994	47.0020	354.6625	1.1	380	1.732	401.6645	0.6008
30	PP AC-5/30	0.040	8.866000	0.000318	0.100	354.640	3.994	47.0020	354.6625	1.1	380	1.732	401.6645	0.6008
31	PP AC-5/31	0.040	8.866000	0.000318	0.100	354.640	3.994	47.0020	354.6625	1.1	380	1.732	401.6645	0.6008
32	PP AC-5/32	0.040	8.866000	0.000318	0.100	354.640	3.994	47.0020	354.6625	1.1	380	1.732	401.6645	0.6008
33	PP AC-5/33	0.040	8.866000	0.000318	0.100	354.640	3.994	47.0020	354.6625	1.1	380	1.732	401.6645	0.6008
16	LP & PP Lantai 6													
1	PL-6/01	0.030	8.866000	0.000318	0.100	265.980	2.996	110.8466	265.9969	1.1	220	1.732	376.8435	0.3708
2	PL-6/02	0.010	8.866000	0.000318	0.100	88.660	0.999	110.8466	88.6656	1.1	220	1.732	199.5122	0.7003
3	PL-6/03	0.010	8.866000	0.000318	0.100	88.660	0.999	110.8466	88.6656	1.1	220	1.732	199.5122	0.7003
4	PL-6/04	0.045	8.866000	0.000318	0.100	398.970	4.493	110.8466	398.9953	1.1	220	1.732	509.8419	0.2740
5	PL-6/05	0.015	8.866000	0.000318	0.100	132.990	1.498	110.8466	132.9984	1.1	220	1.732	243.8450	0.5730
6	PL-6/06	0.045	8.866000	0.000318	0.100	398.970	4.493	110.8466	398.9953	1.1	220	1.732	509.8419	0.2740
7	PL-6/07	0.025	8.866000	0.000318	0.100	221.650	2.496	110.8466	221.6641	1.1	220	1.732	332.5106	0.4202
8	PL-6/08	0.040	8.866000	0.000318	0.100	354.640	3.994	110.8466	354.6625	1.1	220	1.732	465.5091	0.3001
9	PL-6/09	0.010	8.866000	0.000318	0.100	88.660	0.999	110.8466	88.6656	1.1	220	1.732	199.5122	0.7003
10	PL-6/10	0.010	8.866000	0.000318	0.100	88.660	0.999	110.8466	88.6656	1.1	220	1.732	199.5122	0.7003
11	PL-6/11	0.025	8.866000	0.000318	0.100	221.650	2.496	110.8466	221.6641	1.1	220	1.732	332.5106	0.4202
12	KK-6/01	0.030	8.866000	0.000318	0.100	265.980	2.996	110.8466	265.9969	1.1	220	1.732	376.8435	0.3708
13	KK-6/02	0.020	8.866000	0.000318	0.100	177.320	1.997	110.8466	177.3312	1.1	220	1.732	288.1778	0.4848
14	KK-6/03	0.015	8.866000	0.000318	0.100	132.990	1.498	110.8466	132.9984	1.1	220	1.732	243.8450	0.5730
15	KK-6/04	0.030	8.866000	0.000318	0.100	265.980	2.996	110.8466	265.9969	1.1	220	1.732	376.8435	0.3708
16	KK-6/05	0.045	8.866000	0.000318	0.100	398.970	4.493	110.8466	398.9953	1.1	220	1.732	509.8419	0.2740

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
17	KK-6/06	0.045	8.866000	0.000318	0.100	398.970	4.493	110.8466	398.9953	1.1	220	1.732	509.8419	0.2740
18	KK-6/07	0.045	8.866000	0.000318	0.100	398.970	4.493	110.8466	398.9953	1.1	220	1.732	509.8419	0.2740
19	KK-6/08	0.045	8.866000	0.000318	0.100	398.970	4.493	110.8466	398.9953	1.1	220	1.732	509.8419	0.2740
20	KK-6/09	0.045	8.866000	0.000318	0.100	398.970	4.493	110.8466	398.9953	1.1	220	1.732	509.8419	0.2740
21	KK-6/10	0.038	8.866000	0.000318	0.100	339.096	3.819	110.8466	339.1172	1.1	220	1.732	449.9638	0.3105
22	KK-6/11	0.039	8.866000	0.000318	0.100	347.381	3.912	110.8466	347.4030	1.1	220	1.732	458.2496	0.3049
17	PP AC Lantai 6													
1	PP AC-6/01	0.030	8.866000	0.000318	0.100	265.980	2.996	48.8837	265.9969	1.1	220	1.732	314.8806	0.4437
2	PP AC-6/02	0.010	8.866000	0.000318	0.100	88.660	0.999	48.8837	88.6656	1.1	220	1.732	137.5493	1.0158
3	PP AC-6/03	0.010	8.866000	0.000318	0.100	88.660	0.999	48.8837	88.6656	1.1	220	1.732	137.5493	1.0158
4	PP AC-6/04	0.045	8.866000	0.000318	0.100	398.970	4.493	48.8837	398.9953	1.1	220	1.732	447.8790	0.3120
5	PP AC-6/05	0.015	8.866000	0.000318	0.100	132.990	1.498	48.8837	132.9984	1.1	220	1.732	181.8821	0.7682
6	PP AC-6/06	0.045	8.866000	0.000318	0.100	398.970	4.493	48.8837	398.9953	1.1	220	1.732	447.8790	0.3120
7	PP AC-6/07	0.025	8.866000	0.000318	0.100	221.650	2.496	48.8837	221.6641	1.1	220	1.732	270.5478	0.5164
8	PP AC-6/08	0.040	8.866000	0.000318	0.100	354.640	3.994	48.8837	354.6625	1.1	220	1.732	403.5462	0.3462
9	PP AC-6/09	0.010	8.866000	0.000318	0.100	88.660	0.999	48.8837	88.6656	1.1	220	1.732	137.5493	1.0158
10	PP AC-6/10	0.010	8.866000	0.000318	0.100	88.660	0.999	48.8837	88.6656	1.1	220	1.732	137.5493	1.0158
11	PP AC-6/11	0.025	8.866000	0.000318	0.100	221.650	2.496	48.8837	221.6641	1.1	220	1.732	270.5478	0.5164
12	PP AC-6/12	0.010	8.866000	0.000318	0.100	88.660	0.999	48.8837	88.6656	1.1	220	1.732	137.5493	1.0158
13	PP AC-6/13	0.010	8.866000	0.000318	0.100	88.660	0.999	48.8837	88.6656	1.1	220	1.732	137.5493	1.0158
14	PP AC-6/14	0.030	8.866000	0.000318	0.100	265.980	2.996	48.8837	265.9969	1.1	220	1.732	314.8806	0.4437
15	PP AC-6/15	0.020	8.866000	0.000318	0.100	177.320	1.997	48.8837	177.3312	1.1	220	1.732	226.2150	0.6176
16	PP AC-6/16	0.015	8.866000	0.000318	0.100	132.990	1.498	48.8837	132.9984	1.1	220	1.732	181.8821	0.7682
17	PP AC-6/17	0.030	8.866000	0.000318	0.100	265.980	2.996	48.8837	265.9969	1.1	220	1.732	314.8806	0.4437
18	PP AC-6/18	0.045	8.866000	0.000318	0.100	398.970	4.493	48.8837	398.9953	1.1	220	1.732	447.8790	0.3120
19	PP AC-6/19	0.045	8.866000	0.000318	0.100	398.970	4.493	48.8837	398.9953	1.1	380	1.732	447.8790	0.5388
20	PP AC-6/20	0.045	8.866000	0.000318	0.100	398.970	4.493	48.8837	398.9953	1.1	380	1.732	447.8790	0.5388
21	PP AC-6/21	0.045	8.866000	0.000318	0.100	398.970	4.493	48.8837	398.9953	1.1	380	1.732	447.8790	0.5388
22	PP AC-6/22	0.045	8.866000	0.000318	0.100	398.970	4.493	48.8837	398.9953	1.1	380	1.732	447.8790	0.5388
23	PP AC-6/23	0.038	8.866000	0.000318	0.100	339.096	3.819	48.8837	339.1172	1.1	380	1.732	388.0009	0.6220
24	PP AC-6/24	0.039	8.866000	0.000318	0.100	347.381	3.912	48.8837	347.4030	1.1	380	1.732	396.2867	0.6090
25	PP AC-6/25	0.040	8.866000	0.000318	0.100	354.640	3.994	48.8837	354.6625	1.1	380	1.732	403.5462	0.5980

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
26	PP AC-6/26	0.040	8.866000	0.000318	0.100	354.640	3.994	48.8837	354.6625	1.1	380	1.732	403.5462	0.5980
27	PP AC-6/27	0.040	8.866000	0.000318	0.100	354.640	3.994	48.8837	354.6625	1.1	380	1.732	403.5462	0.5980
28	PP AC-6/28	0.040	8.866000	0.000318	0.100	354.640	3.994	48.8837	354.6625	1.1	380	1.732	403.5462	0.5980
29	PP AC-6/29	0.040	8.866000	0.000318	0.100	354.640	3.994	48.8837	354.6625	1.1	380	1.732	403.5462	0.5980
30	PP AC-6/30	0.040	8.866000	0.000318	0.100	354.640	3.994	48.8837	354.6625	1.1	380	1.732	403.5462	0.5980
31	PP AC-6/31	0.040	8.866000	0.000318	0.100	354.640	3.994	48.8837	354.6625	1.1	380	1.732	403.5462	0.5980
32	PP AC-6/32	0.040	8.866000	0.000318	0.100	354.640	3.994	48.8837	354.6625	1.1	380	1.732	403.5462	0.5980
33	PP AC-6/33	0.040	8.866000	0.000318	0.100	354.640	3.994	48.8837	354.6625	1.1	380	1.732	403.5462	0.5980
18	LP & PP Lantai 7													
1	PL-7/01	0.030	8.866000	0.000318	0.100	265.980	2.996	119.6131	265.9969	1.1	220	1.732	385.6100	0.3623
2	PL-7/02	0.010	8.866000	0.000318	0.100	88.660	0.999	119.6131	88.6656	1.1	220	1.732	208.2787	0.6708
3	PL-7/03	0.010	8.866000	0.000318	0.100	88.660	0.999	119.6131	88.6656	1.1	220	1.732	208.2787	0.6708
4	PL-7/04	0.045	8.866000	0.000318	0.100	398.970	4.493	119.6131	398.9953	1.1	220	1.732	518.6084	0.2694
5	PL-7/05	0.015	8.866000	0.000318	0.100	132.990	1.498	119.6131	132.9984	1.1	220	1.732	252.6115	0.5531
6	PL-7/06	0.045	8.866000	0.000318	0.100	398.970	4.493	119.6131	398.9953	1.1	220	1.732	518.6084	0.2694
7	PL-7/07	0.025	8.866000	0.000318	0.100	221.650	2.496	119.6131	221.6641	1.1	220	1.732	341.2772	0.4094
8	PL-7/08	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946
9	PL-7/09	0.010	8.866000	0.000318	0.100	88.660	0.999	119.6131	88.6656	1.1	220	1.732	208.2787	0.6708
10	PL-7/10	0.010	8.866000	0.000318	0.100	88.660	0.999	119.6131	88.6656	1.1	220	1.732	208.2787	0.6708
11	PL-7/11	0.025	8.866000	0.000318	0.100	221.650	2.496	119.6131	221.6641	1.1	220	1.732	341.2772	0.4094
12	KK-7/01	0.045	8.866000	0.000318	0.100	398.970	4.493	119.6131	398.9953	1.1	220	1.732	518.6084	0.2694
13	KK-7/02	0.045	8.866000	0.000318	0.100	398.970	4.493	119.6131	398.9953	1.1	220	1.732	518.6084	0.2694
14	KK-7/03	0.038	8.866000	0.000318	0.100	339.096	3.819	119.6131	339.1172	1.1	220	1.732	458.7303	0.3046
15	KK-7/04	0.039	8.866000	0.000318	0.100	347.381	3.912	119.6131	347.4030	1.1	220	1.732	467.0161	0.2992
16	KK-7/05	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946
17	KK-7/06	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946
18	KK-7/07	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946
19	KK-7/8	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946
20	KK-7/9	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946
21	KK-7/10	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946
22	KK-7/11	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946
23	KK-7/12	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
24	KK-7/13	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946
25	KK-7/14	0.040	8.866000	0.000318	0.100	354.640	3.994	119.6131	354.6625	1.1	220	1.732	474.2756	0.2946
26	KK-7/15	0.045	8.866000	0.000318	0.100	400.613	4.512	119.6131	400.6381	1.1	220	1.732	520.2512	0.2686
27	KK-7/16	0.046	8.866000	0.000318	0.100	407.073	4.585	119.6131	407.0988	1.1	220	1.732	526.7119	0.2653
28	KK-7/17	0.047	8.866000	0.000318	0.100	413.533	4.657	119.6131	413.5595	1.1	220	1.732	533.1726	0.2621
29	KK-7/18	0.047	8.866000	0.000318	0.100	419.994	4.730	119.6131	420.0202	1.1	220	1.732	539.6333	0.2589
30	KK-7/19	0.048	8.866000	0.000318	0.100	426.454	4.803	119.6131	426.4810	1.1	220	1.732	546.0941	0.2559
31	KK-7/20	0.049	8.866000	0.000318	0.100	432.914	4.876	119.6131	432.9417	1.1	220	1.732	552.5548	0.2529
19	PP AC Lantai 7													
1	PP AC-7/01	0.030	8.866000	0.000318	0.100	265.980	2.996	50.7655	265.9969	1.1	220	1.732	316.7623	0.4411
2	PP AC-7/02	0.010	8.866000	0.000318	0.100	88.660	0.999	50.7655	88.6656	1.1	220	1.732	139.4311	1.0021
3	PP AC-7/03	0.010	8.866000	0.000318	0.100	88.660	0.999	50.7655	88.6656	1.1	220	1.732	139.4311	1.0021
4	PP AC-7/04	0.045	8.866000	0.000318	0.100	398.970	4.493	50.7655	398.9953	1.1	220	1.732	449.7608	0.3107
5	PP AC-7/05	0.015	8.866000	0.000318	0.100	132.990	1.498	50.7655	132.9984	1.1	220	1.732	183.7639	0.7603
6	PP AC-7/06	0.045	8.866000	0.000318	0.100	398.970	4.493	50.7655	398.9953	1.1	220	1.732	449.7608	0.3107
7	PP AC-7/07	0.025	8.866000	0.000318	0.100	221.650	2.496	50.7655	221.6641	1.1	220	1.732	272.4295	0.5129
8	PP AC-7/08	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
9	PP AC-7/09	0.010	8.866000	0.000318	0.100	88.660	0.999	50.7655	88.6656	1.1	220	1.732	139.4311	1.0021
10	PP AC-7/10	0.010	8.866000	0.000318	0.100	88.660	0.999	50.7655	88.6656	1.1	220	1.732	139.4311	1.0021
11	PP AC-7/11	0.025	8.866000	0.000318	0.100	221.650	2.496	50.7655	221.6641	1.1	220	1.732	272.4295	0.5129
12	PP AC-7/12	0.010	8.866000	0.000318	0.100	88.660	0.999	50.7655	88.6656	1.1	220	1.732	139.4311	1.0021
13	PP AC-7/13	0.010	8.866000	0.000318	0.100	88.660	0.999	50.7655	88.6656	1.1	220	1.732	139.4311	1.0021
14	PP AC-7/14	0.030	8.866000	0.000318	0.100	265.980	2.996	50.7655	265.9969	1.1	220	1.732	316.7623	0.4411
15	PP AC-7/15	0.020	8.866000	0.000318	0.100	177.320	1.997	50.7655	177.3312	1.1	220	1.732	228.0967	0.6125
16	PP AC-7/16	0.015	8.866000	0.000318	0.100	132.990	1.498	50.7655	132.9984	1.1	220	1.732	183.7639	0.7603
17	PP AC-7/17	0.030	8.866000	0.000318	0.100	265.980	2.996	50.7655	265.9969	1.1	220	1.732	316.7623	0.4411
18	PP AC-7/18	0.045	8.866000	0.000318	0.100	398.970	4.493	50.7655	398.9953	1.1	220	1.732	449.7608	0.3107
19	PP AC-7/19	0.045	8.866000	0.000318	0.100	398.970	4.493	50.7655	398.9953	1.1	220	1.732	449.7608	0.3107
20	PP AC-7/20	0.045	8.866000	0.000318	0.100	398.970	4.493	50.7655	398.9953	1.1	220	1.732	449.7608	0.3107
21	PP AC-7/21	0.045	8.866000	0.000318	0.100	398.970	4.493	50.7655	398.9953	1.1	220	1.732	449.7608	0.3107
22	PP AC-7/22	0.045	8.866000	0.000318	0.100	398.970	4.493	50.7655	398.9953	1.1	220	1.732	449.7608	0.3107
23	PP AC-7/23	0.038	8.866000	0.000318	0.100	339.096	3.819	50.7655	339.1172	1.1	220	1.732	389.8827	0.3584

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
24	PP AC-7/24	0.039	8.866000	0.000318	0.100	347.381	3.912	50.7655	347.4030	1.1	220	1.732	398.1685	0.3509
25	PP AC-7/25	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
26	PP AC-7/26	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
27	PP AC-7/27	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
28	PP AC-7/28	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
29	PP AC-7/29	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
30	PP AC-7/30	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
31	PP AC-7/31	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
32	PP AC-7/32	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
33	PP AC-7/33	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
34	PP AC-7/34	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
35	PP AC-7/35	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
36	PP AC-7/36	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
37	PP AC-7/37	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
38	PP AC-7/38	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
39	PP AC-7/39	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
40	PP AC-7/40	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	220	1.732	405.4280	0.3446
41	PP AC-7/41	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
42	PP AC-7/42	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
43	PP AC-7/43	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
44	PP AC-7/44	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
45	PP AC-7/45	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
46	PP AC-7/46	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
47	PP AC-7/47	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
48	PP AC-7/48	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
49	PP AC-7/49	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
50	PP AC-7/50	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
51	PP AC-7/51	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
52	PP AC-7/52	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953
53	PP AC-7/53	0.040	8.866000	0.000318	0.100	354.640	3.994	50.7655	354.6625	1.1	380	1.732	405.4280	0.5953

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
20	LP & PP Lantai 8													
1	PL-8/01	0.030	8.866000	0.000318	0.100	265.980	2.996	128.3796	265.9969	1.1	220	1.732	394.3765	0.3543
2	PL-8/02	0.010	8.866000	0.000318	0.100	88.660	0.999	128.3796	88.6656	1.1	220	1.732	217.0452	0.6437
3	PL-8/03	0.010	8.866000	0.000318	0.100	88.660	0.999	128.3796	88.6656	1.1	220	1.732	217.0452	0.6437
4	PL-8/04	0.045	8.866000	0.000318	0.100	398.970	4.493	128.3796	398.9953	1.1	220	1.732	527.3749	0.2649
5	PL-8/05	0.015	8.866000	0.000318	0.100	132.990	1.498	128.3796	132.9984	1.1	220	1.732	261.3780	0.5345
6	PL-8/06	0.045	8.866000	0.000318	0.100	398.970	4.493	128.3796	398.9953	1.1	220	1.732	527.3749	0.2649
7	PL-8/07	0.025	8.866000	0.000318	0.100	221.650	2.496	128.3796	221.6641	1.1	220	1.732	350.0437	0.3991
8	PL-8/08	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
9	PL-8/09	0.010	8.866000	0.000318	0.100	88.660	0.999	128.3796	88.6656	1.1	220	1.732	217.0452	0.6437
10	KK-8/01	0.010	8.866000	0.000318	0.100	88.660	0.999	128.3796	88.6656	1.1	220	1.732	217.0452	0.6437
11	KK-8/02	0.010	8.866000	0.000318	0.100	88.660	0.999	128.3796	88.6656	1.1	220	1.732	217.0452	0.6437
12	KK-8/03	0.030	8.866000	0.000318	0.100	265.980	2.996	128.3796	265.9969	1.1	220	1.732	394.3765	0.3543
13	KK-8/04	0.020	8.866000	0.000318	0.100	177.320	1.997	128.3796	177.3312	1.1	220	1.732	305.7109	0.4570
14	KK-8/05	0.015	8.866000	0.000318	0.100	132.990	1.498	128.3796	132.9984	1.1	220	1.732	261.3780	0.5345
15	KK-8/06	0.030	8.866000	0.000318	0.100	265.980	2.996	128.3796	265.9969	1.1	220	1.732	394.3765	0.3543
16	KK-8/07	0.045	8.866000	0.000318	0.100	398.970	4.493	128.3796	398.9953	1.1	220	1.732	527.3749	0.2649
17	KK-8/08	0.045	8.866000	0.000318	0.100	398.970	4.493	128.3796	398.9953	1.1	220	1.732	527.3749	0.2649
18	KK-8/09	0.045	8.866000	0.000318	0.100	398.970	4.493	128.3796	398.9953	1.1	220	1.732	527.3749	0.2649
19	KK-8/10	0.045	8.866000	0.000318	0.100	398.970	4.493	128.3796	398.9953	1.1	220	1.732	527.3749	0.2649
20	KK-8/11	0.045	8.866000	0.000318	0.100	398.970	4.493	128.3796	398.9953	1.1	220	1.732	527.3749	0.2649
21	KK-8/12	0.038	8.866000	0.000318	0.100	339.096	3.819	128.3796	339.1172	1.1	220	1.732	467.4968	0.2989
22	KK-8/13	0.039	8.866000	0.000318	0.100	347.381	3.912	128.3796	347.4030	1.1	220	1.732	475.7826	0.2937
23	KK-8/14	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
24	KK-8/15	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
25	KK-8/16	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
26	KK-8/17	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
27	KK-8/18	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
28	KK-8/19	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
29	KK-8/20	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
30	KK-8/21	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
31	KK-8/22	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892

No	Nama Panel	l (KM)	R (Ω/Km)	L (H/KM)	X (Ω/KM)	R (mΩ)	X (mΩ)	Z1(mΩ)	Z2(mΩ)	Cmax	Un	akar 3	Z	I''K(A)
32	KK-8/23	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
33	KK-8/24	0.040	8.866000	0.000318	0.100	354.640	3.994	128.3796	354.6625	1.1	220	1.732	483.0421	0.2892
21	PP AC Lantai 8													
1	PP AC-8/01	0.030	8.866000	0.000318	0.100	265.980	2.996	52.6472	265.9969	1.1	220	1.732	318.6441	0.4385
2	PP AC-8/02	0.045	8.866000	0.000318	0.100	398.970	4.493	52.6472	398.9953	1.1	220	1.732	451.6425	0.3094
3	PP AC-8/03	0.045	8.866000	0.000318	0.100	398.970	4.493	52.6472	398.9953	1.1	220	1.732	451.6425	0.3094
4	PP AC-8/04	0.045	8.866000	0.000318	0.100	398.970	4.493	52.6472	398.9953	1.1	220	1.732	451.6425	0.3094
5	PP AC-8/05	0.045	8.866000	0.000318	0.100	398.970	4.493	52.6472	398.9953	1.1	220	1.732	451.6425	0.3094
6	PP AC-8/06	0.045	8.866000	0.000318	0.100	398.970	4.493	52.6472	398.9953	1.1	220	1.732	451.6425	0.3094
7	PP AC-8/07	0.038	8.866000	0.000318	0.100	339.096	3.819	52.6472	339.1172	1.1	220	1.732	391.7644	0.3566
8	PP AC-8/08	0.039	8.866000	0.000318	0.100	347.381	3.912	52.6472	347.4030	1.1	220	1.732	400.0502	0.3493
9	PP AC-8/09	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
10	PP AC-8/10	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
11	PP AC-8/11	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
12	PP AC-8/12	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
13	PP AC-8/13	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
14	PP AC-8/14	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
15	PP AC-8/15	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
16	PP AC-8/16	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
17	PP AC-8/17	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
18	PP AC-8/18	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
19	PP AC-8/19	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
20	PP AC-8/20	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
21	PP AC-8/21	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	220	1.732	407.3097	0.3430
22	PP AC-8/22	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	380	1.732	407.3097	0.5925
23	PP AC-8/23	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	380	1.732	407.3097	0.5925
24	PP AC-8/24	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	380	1.732	407.3097	0.5925
25	PP AC-8/25	0.030	8.866000	0.000318	0.100	265.980	2.996	52.6472	265.9969	1.1	380	1.732	318.6441	0.7574
26	PP AC-8/26	0.045	8.866000	0.000318	0.100	398.970	4.493	52.6472	398.9953	1.1	380	1.732	451.6425	0.5343
27	PP AC-8/27	0.045	8.866000	0.000318	0.100	398.970	4.493	52.6472	398.9953	1.1	380	1.732	451.6425	0.5343
28	PP AC-8/28	0.045	8.866000	0.000318	0.100	398.970	4.493	52.6472	398.9953	1.1	380	1.732	451.6425	0.5343
29	PP AC-8/29	0.045	8.866000	0.000318	0.100	398.970	4.493	52.6472	398.9953	1.1	380	1.732	451.6425	0.5343

No	Nama Panel	l (KM)	R (Ω /Km)	L (H/KM)	X (Ω /KM)	R (m Ω)	X (m Ω)	Z1(m Ω)	Z2(m Ω)	Cmax	Un	akar 3	Z	I''K(A)
30	PP AC-8/30	0.045	8.866000	0.000318	0.100	398.970	4.493	52.6472	398.9953	1.1	380	1.732	451.6425	0.5343
31	PP AC-8/31	0.038	8.866000	0.000318	0.100	339.096	3.819	52.6472	339.1172	1.1	380	1.732	391.7644	0.6160
32	PP AC-8/32	0.039	8.866000	0.000318	0.100	347.381	3.912	52.6472	347.4030	1.1	380	1.732	400.0502	0.6033
33	PP AC-8/33	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	380	1.732	407.3097	0.5925
34	PP AC-8/34	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	380	1.732	407.3097	0.5925
35	PP AC-8/35	0.040	8.866000	0.000318	0.100	354.640	3.994	52.6472	354.6625	1.1	380	1.732	407.3097	0.5925

**GAMBAR RENCANA SISTEMATIK DISTRIBUSI LISTRIK
DAN SKEDUL BEBAN LISTRIK**

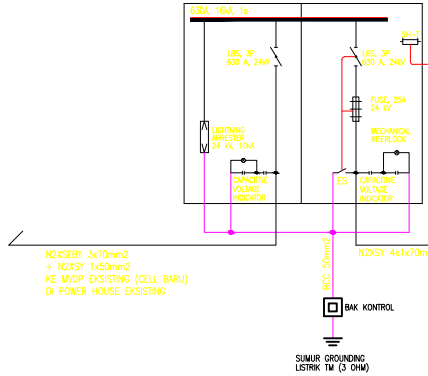
1. Diagram Sistematis Distribusi Listrik

MATRIKS KERJA SISTEM ATS

KONTAK	KONDISI	
	(1) PLN ON	(2) GENSET ON
ACB INCOMING PLN	1	0
ACB INCOMING GENSET	0	1

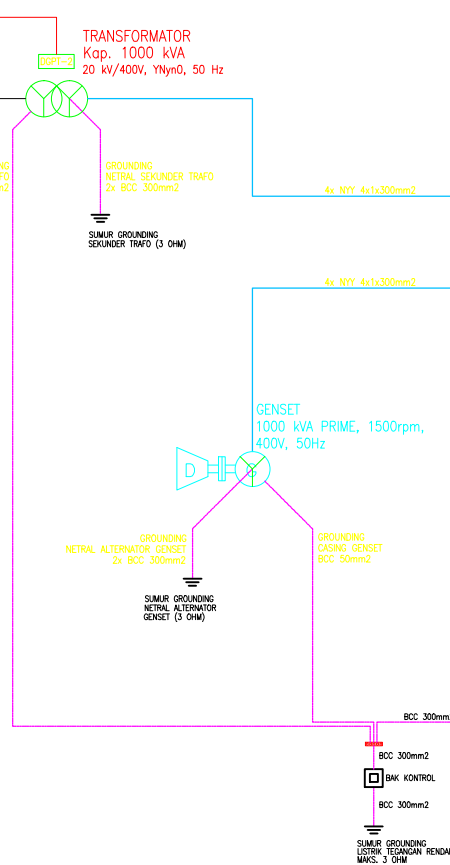
KETERANGAN :
1 = TERKUTUP/ON
0 = TERBUKA/OFF

KUBIKEL TM PELANGGAN

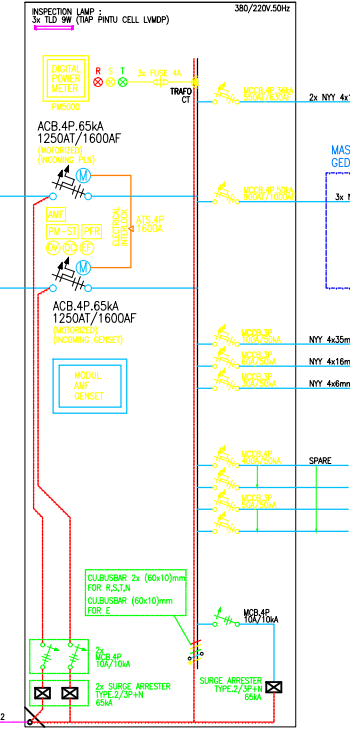


- KETERANGAN :**
- MVDP : MEDIUM VOLTAGE DISTRIBUTION PANEL
 - LV-MDP : LOW VOLTAGE MAIN DISTRIBUTION PANEL
 - SDP : SUB DISTRIBUTION PANEL
 - PP : POWER PANEL
 - LP : LIGHTING PANEL
 - PM-ST : POWER METER SINGLE TARIFF
 - M : MOTORIZED
 - A : AMPERE METER
 - OCR : OVER CURRENT RELAY
 - UV : UNDER VOLTAGE RELAY
 - GBT : GROUNDING BODY TRAF0
 - GNT : GROUNDING NEUTRAL TRAF0
 - CB : CIRCUIT BREAKER
 - ACB : AIR CIRCUIT BREAKER
 - LBS : LOAD BREAK SWITCH
 - MCCB : MOULDED CASE CIRCUIT BREAKER
 - RPR : REVERSE POWER RELAY
 - PFR : PHASA FAILURE RELAY
 - AMF : AUTOMATIC MAIN FAILURE

TRANSFORMATOR
Kap. 1000 kVA
20 kV/400V, YNyn0, 50 Hz



LVMDP (LOW VOLTAGE-
MAIN DISTRIBUTION PANEL)
FREE STANDING 3 CELL



CAPASITOR BANK
KAP. 300 KVAR

- Lengkap dengan :**
- 1) AUTOMATIC POWER FACTOR CONTROL (APFC) W/ THERMAL PROTECTION
 - REGULATOR 12 STEP
 - 2) 12 x KAPASITOR 25 KVAR
 - 3) WINDING-INDING KAPASITOR DIENKAPI DENGAN DETUNED REACTOR 30 KVAR
 - 4) EXHAUST FAN, TERNEGARASI DENGAN (APFC)
 - 5) NEAR COS PH DI-SETTING = 0,9

DIAGRAM SINGLE LINE SISTEM LISTRIK
SKALA NTS

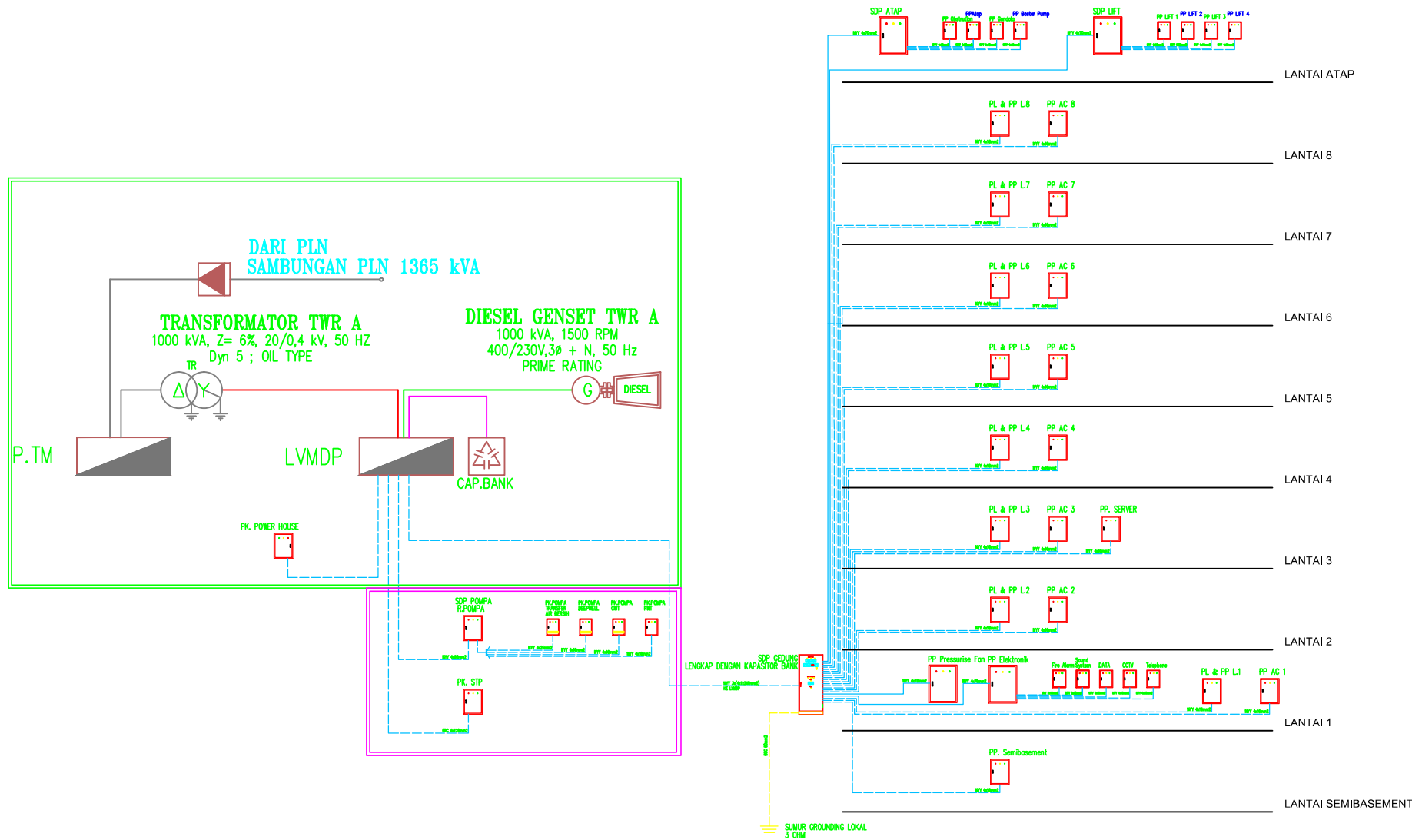
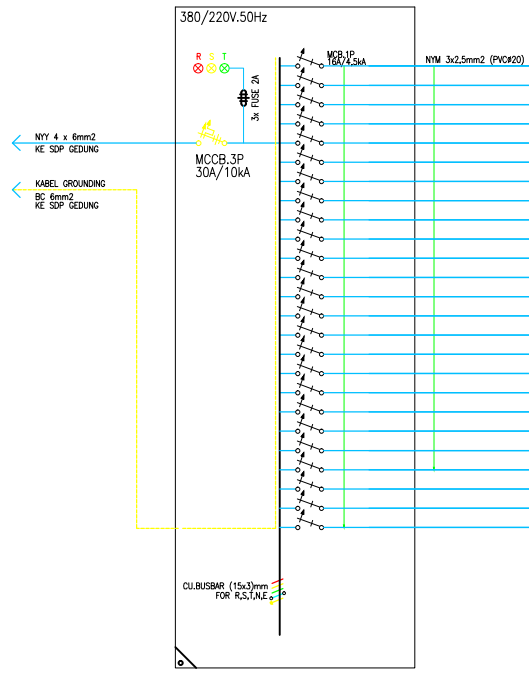


DIAGRAM SKEMATIK DISTRIBUSI LISTRIK
SKALA : NTS

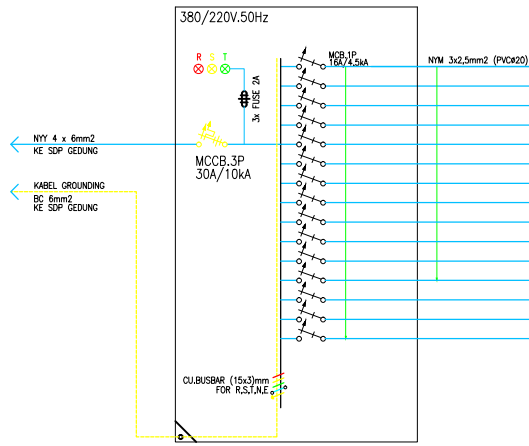
POWER PANEL
LANTAI 5
(LP & PP LANTAI 5)
UK: 50 x 70 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		LED LAMP 10W COIL DAYLIGHT	LED LAMP 10W COIL DAYLIGHT + BATTERY	KOTAK KONTAK DINDING 1 FASA	DOWNLIGHT LED 2x10W COIL DAYLIGHT + BATTERY	TL LED 9W (PARAFOTOR BULK ONK. / BULK)	TL LED 9W (PARAFOTOR BULK ONK. / BULK)	KOTAK KONTAK DINDING 40 CM 1 FASA	KOTAK KONTAK DINDING 150 CM 1 FASA	KOTAK KONTAK LANTAI 1 FASA	KOTAK KONTAK PROJEKTOR LANTAI 1 FASA	TOTAL WATT	BEBAN TERPASANG (AMP)			SAKLAR TUNGGAL	SAKLAR GANDA	SAKLAR TUKAR	GRID SWITCH / SAKLAR GANGS	
		JML KUTUB	TRIP AMP												R	S	T					
1	PENERANGAN	1	16			29	1							420	2.25				3			
2						29	1							420		2.25			3			
3						29	1							420			2.25		3			
4						29	1							420	2.25				3			
5						16	1							238		1.27			2	2		
6						29	1							420			2.25		3			
7						29	1							406	2.17				3			
8						29	1							420		2.25			3			
9						16	1							238		1.27			2			
10						37	5							420	2.25				2	2		
11						12	2		2	1				167	0.89			8	2			
12	KOTAK KONTAK									4	1			500			2.67					
13										4	1		1	750	4.01							
14										4	1		1	750		4.01						
15										4	1		1	750			4.01					
16										4	1		1	750	4.01							
17										2	2	1		525		2.81						
18										4				400			2.14					
19										4	1		1	750		4.01						
20										4	1		1	750		4.01						
21										4	1		1	750			4.01					
22										4	1		1	750			4.01					
23	SPARE									2	2	1		525	2.81							
24																						
25																						
				49	7	235	9	2	1	40	12	2	7	11189	20.63	20.60	18.60	8	29	4	0	

TOTAL KVA	6,3
TOTAL WATT	5379

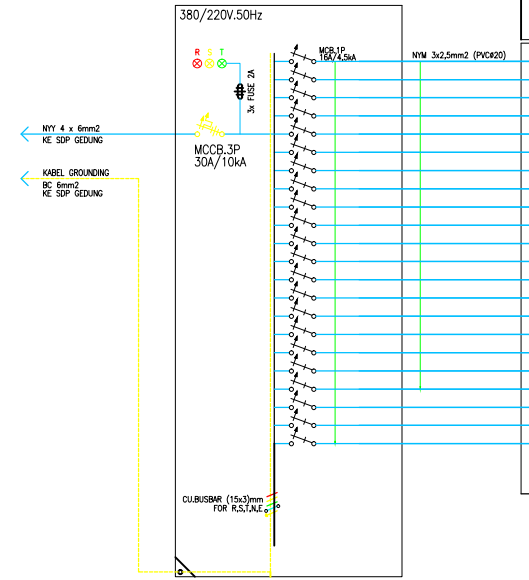
POWER PANEL
LANTAI BASEMENT
(PP.BASEMENT)
UK: 50 x 70 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		BEAN TERPASANG (AMP)						TOTAL WATT	BEBAN TERPASANG (AMP)						
		JML KUTUB	TRIP AMP	DOWNLIGHT LED BULB 10W COLL DWGLIGHT	DOWNLIGHT LED BULB 15W COLL DWGLIGHT + BATTERY	TL LED 9W (PARATOR BALK ONE / BAMBUS)	TL LED 9W (PARATOR BALK ONE / BAMBUS)	KOTAK KONTRK SWINGING 400V 1 FASA	ARONAL FAN		R	S	T	SAKLAR TUNGGAL	SAKLAR GANDA	SAKLAR TUKAR	GRID SWITCH/SAKLAR GANGS
1	PENERANGAN	1	16	4	1	1				59	0.32		2		1		
2						60	20			720	3.85					2	
3	KOTAK KONTRK							4		400		2.14					
4								4		400		2.14					
5								4		400	2.14						
6								4		400	2.14						
7	POWER FAN								1	500	3.25						
8									1	500		3.25					
9									1	500		3.25					
10									1	500	3.25						
11									1	500		3.25					
12									1	500		3.25					
13	SPARE																
14																	
15																	
				4	1	61	20	16	6	5379	10.8	10.7	10.8	2	0	1	2

TOTAL KVA	6,3
TOTAL WATT	5379

POWER PANEL
LANTAI 1
(LP & PP LANTAI 1)
UK: 50 x 70 x 25CM

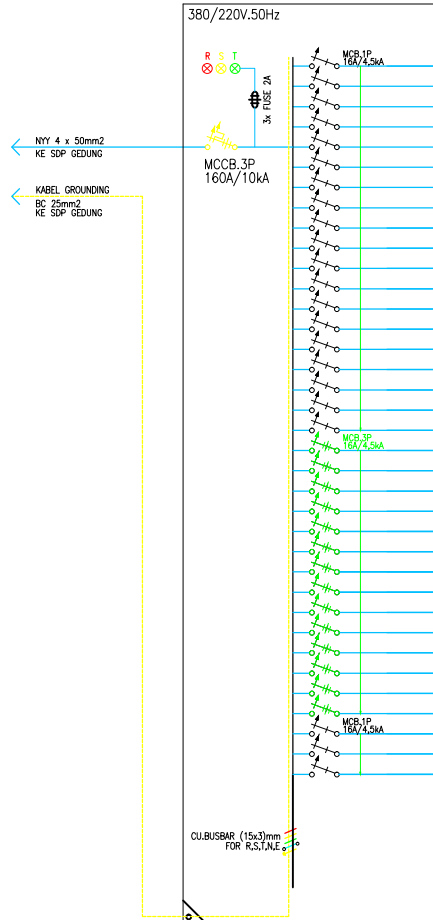


NO	FUNGSI	CIRCUIT BREAKER		BEAN TERPASANG (AMP)											TOTAL WATT	BEBAN TERPASANG (AMP)							
		JML KUTUB	TRIP AMP	DOWNLIGHT LED SPOT 5W COLL DWGLIGHT	DOWNLIGHT LED SPOT 8W COLL DWGLIGHT	LED LAMP 10W COLL DWGLIGHT	LED LAMP 10W COLL DWGLIGHT + BATTERY	KOTAK KONTRK SWINGING 1 FASA	DOWNLIGHT LED BULB 10W COLL DWGLIGHT + BATTERY	TL LED 9W (PARATOR BALK ONE / BAMBUS)	TL LED 9W (PARATOR BALK ONE / BAMBUS)	KOTAK KONTRK SWINGING 40 0M 1 FASA	KOTAK KONTRK SWINGING 40 0M 1 FASA	KOTAK KONTRK SWINGING 150 0M 1 FASA		R	S	T	SAKLAR TUNGGAL	SAKLAR GANDA	SAKLAR TUKAR	GRID SWITCH/SAKLAR GANGS	
1	PENERANGAN	1	16	41													205	1.10					1
2					8	2		35	1								588		3.14		1		1
3						7	1	79	7								1284		6.87		1		1
4						8	2	3	1								156	0.83				2	1
5						4	1	12	3	1							269		1.44	2	2	1	
6						12	2			2	1						167		0.89	8	2		
7	KOTAK KONTRK											4	1				500	2.67					
8												4					400		2.14				
9												5					500		2.67				
10												4					400		2.14				
11												2	1				300		1.60				
12															3		375		2.01				
13															4		500	2.67					
14															4		500		2.67				
15															5		625		3.34				
16															6		750	4.01					
17												4					400		2.14				
18												1	1				200		1.07				
19																2	250	1.34					
20	SPARE																						
21																							
22																							
				41	8	33	6	129	12	3	1	24	3	24	24	8369	14.76	14.89	15.10	10	6	3	4

SKEDUL BEBAN LISTRIK PP. SEMIBASMENT, LP & PP LANTAI 1
SKALA NTS

TOTAL KVA	6,3
TOTAL WATT	5379

POWER PANEL AC
LANTAI 6
(PP AC LANTAI 6)
UK: 60 x 80 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		AC SPLIT WALL MOUNTED 1/2 PK	AC SPLIT WALL MOUNTED 2 1/2 PK	AC SPLIT CEILING CASSETTE 2 PK	AC SPLIT CEILING CASSETTE 3 PK	WALL/CEILING EXHAUST FAN	KPGS DINDING	TOTAL WATT	BEBAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP								R	S	T
1	POWER AC	1	16						3	150			2.92
2									3	150		2.92	
3									3	150		2.92	
4									3	150			2.92
5									3	150		2.92	
6									3	150		2.92	
7									3	150			2.92
8									3	150		2.92	
9									3	150		2.92	
10								3	150				2.92
11								3	150			2.92	
12								3	150			2.92	
13				1						340			2.21
14				1						340		2.21	
15					1					2100	13.64		
16					1					2100			13.64
17					1					2100		13.64	
18					1					2100	13.64		
19						1				1890	4.10	4.10	4.10
20			3				1			2530	5.49	5.49	5.49
21							1			2530	5.49	5.49	5.49
22							1			2530	5.49	5.49	5.49
23							1			2530	5.49	5.49	5.49
24							1			2530	5.49	5.49	5.49
25							1			2530	5.49	5.49	5.49
26							1			2530	5.49	5.49	5.49
27							1			2530	5.49	5.49	5.49
28							1			2530	5.49	5.49	5.49
29							1			2530	5.49	5.49	5.49
30							1			2530	5.49	5.49	5.49
31							1			2530	5.49	5.49	5.49
32							1			2530	5.49	5.49	5.49
33							1			2530	5.49	5.49	5.49
34	SPARE		1				1			2530	5.49	5.49	5.49
35													
36													
				2	4	1	14	9	27	48190	108.3	120.2	108.5

TOTAL KVA	6,3
TOTAL WATT	5379

SKEDUL BEBAN LISTRIK LVMDP

No	Nama Panel	FUNGSI	BEBAN TERSAMBUNG					FK	BEBAN NORMAL					BEBAN EMERGENCY				
			KVA	KW	R	S	T		KVA	KW	R	S	T	KVA	KW	R	S	T
1	SDP GEDUNG	DISTRIBUSI LISTRIK GEDUNG	761.7	625.2	1,361.7	1,369.7	1,365.6	0.7	607.9	502.9	926.3	933.7	927.0	93.3	65.8	143.7	137.3	142.9
2	SDP POMPA	POWER EQUIPMENT POMPA	42.1	29.5	64.0	64.0	64.0	0.7	26.6	22.6	40.4	40.4	40.4					
3	PK STP	POWER EQUIPMENT STP	22.9	16.0	34.7	34.7	34.7	0.7	16.0	11.2	24.3	24.3	24.3					
4	PP POWER HOUSE	LAMPU, KOTAK KONTAK DAN FAN POWER HOUSE	13.3	10.0	20.3	20.3	20.3	1.0	13.3	10.0	20.3	20.3	20.3					
JUMLAH			840.0	680.7	1,480.7	1,488.7	1,484.6		663.8	546.7	1,011.2	1,018.6	1,011.9	93.3	65.8	143.7	137.3	142.9
SATUAN			KVA	KW	A	A	A		KVA	KW	A	A	A	KVA	KW	A	A	A

TOTAL BEBAN LISTRIK NORMAL (TANPA KAPASITOR BANK)

TOTAL KVA	663.8
TOTAL KW	546.7

TOTAL BEBAN LISTRIK EMERGENCY

TOTAL KVA	93.3
TOTAL KW	65.8

TOTAL BEBAN LISTRIK NORMAL

JIKA FAKTOR DAYA = 0.92 (KAPASITOR BANK)

TOTAL KVA	594.2
TOTAL KW	546.7

PERBAIKAN FAKTOR DAYA

Faktor daya Instalasi	0.82
Faktor Daya Yang Dinginkan (Dikondisikan)	0.95
Kapasitor Yang Diperlukan (Kvar)	143.7

INSTALASI KAPASITOR BANK

Total Kapasitor Dipasang (kVAR)	300
Kapasitas Maksimal Yang Diaktifkan (kVAR)	125
Faktor Daya Dihasilkan	0.87

BEBAN NORMAL DENGAN KAPASITOR B/

SEMU	AKTIF	R	S	T
594.2	546.7	879.9	886.4	880.5
KVA	KW	A	A	A

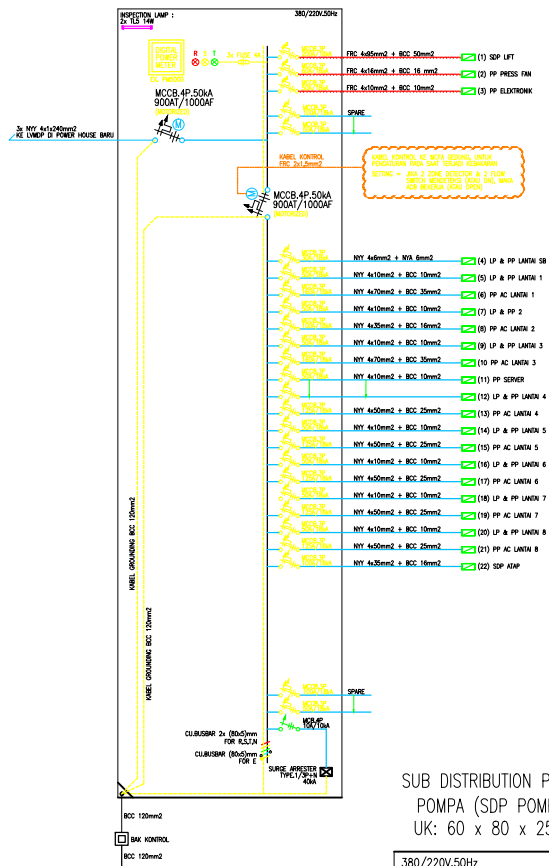
SKEDUL BEBAN LISTRIK LVMDP

SKALA NTS

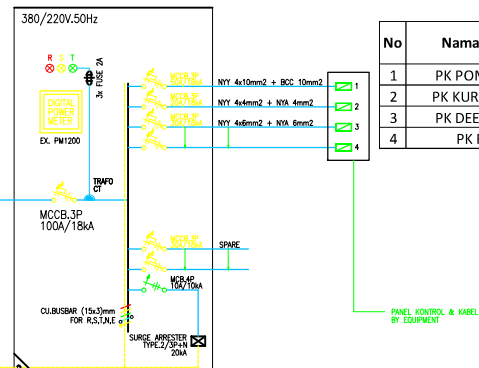
2. Diagram Single Line Sistem Listrik

3. Skedul Beban Listrik

SUB DISTRIBUTION PANEL
(SDP) GEDUNG
FREE STANDING 2 CELL



SUB DISTRIBUTION PANEL
POMPA (SDP POMPA)
UK: 60 x 80 x 25CM



SKEDUL BEBAN LISTRIK SDP GEDUNG

No	Nama Panel	FUNGSI	BEBAN TERSAMBUNG					FK	BEBAN NORMAL					BEBAN EMERGENCY				
			KVA	KW	R	S	T		KVA	KW	R	S	T	KVA	KW	R	S	T
1	SDP LIFT	LANTAI ATAP	89.6	60.0	135.6	135.6	135.6	0.8	69.4	46.5	105.1	105.1	105.1	69.4	46.5	105.1	105.1	105.1
2	PC Pressurise Fan	LANTAI 1	18.8	15.0	28.5	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	18.8	15.0	28.5	28.5	28.5
3	PP ELEKTRONIK	LANTAI 1	7.3	6.2	14.4	5.3	13.4	0.7	5.1	4.3	10.1	3.7	9.4	5.1	4.3	10.1	3.7	9.4
4	LP & PP Lantai SB	LANTAI SB	6.3	5.4	10.8	10.7	10.8	0.7	5.0	4.2	7.5	7.5	7.5					
5	LP & PP Lantai 1	LANTAI 1	9.8	8.4	14.8	14.9	15.1	0.7	6.8	5.8	10.3	10.4	10.6					
6	PP AC Lantai 1	LANTAI 1	88.5	75.2	165.7	162.4	161.5	0.7	76.3	64.9	116.0	113.7	113.0					
7	LP & PP Lantai 2	LANTAI 2	8.9	7.6	13.7	15.3	14.4	0.7	6.3	5.4	9.6	10.7	10.1					
8	PP AC Lantai 2	LANTAI 2	46.6	39.6	86.2	86.2	85.6	0.7	39.7	33.8	60.4	60.4	59.9					
9	LP & PP Lantai 3	LANTAI 3	9.4	8.0	14.3	13.7	14.5	0.7	6.6	5.6	10.0	9.6	10.2					
10	PP AC Lantai 3	LANTAI 3	60.6	51.5	110.9	111.5	112.8	0.7	51.1	43.4	77.6	78.0	78.9					
11	PP SERVER	LANTAI 3	11.5	9.8	15.0	15.0	22.5	0.7	6.9	5.9	10.5	10.5	15.7					
12	LP & PP Lantai 4	LANTAI 4	12.6	10.7	19.0	18.8	19.3	0.7	8.7	7.4	13.3	13.1	15.8					
13	PP AC Lantai 4	LANTAI 4	57.6	48.9	102.4	102.4	113.8	0.7	47.2	40.1	71.6	71.6	79.6					
14	LP & PP Lantai 5	LANTAI 5	13.2	11.2	20.6	20.6	18.6	0.7	9.5	8.1	14.4	14.4	13.0					
15	PP AC Lantai 5	LANTAI 5	56.7	48.2	112.1	110.7	114.1	0.7	51.7	43.9	78.5	77.5	79.9					
16	LP & PP Lantai 6	LANTAI 6	13.2	11.2	20.6	20.6	18.6	0.7	9.5	8.1	14.4	14.4	13.0					
17	PP AC Lantai 6	LANTAI 6	56.7	48.2	108.3	120.2	108.5	0.7	38.6	32.8	58.7	69.1	54.8					
18	LP & PP Lantai 7	LANTAI 7	19.6	16.7	29.6	30.3	29.3	0.7	13.6	11.6	20.7	21.2	20.5					
19	PP AC Lantai 7	LANTAI 7	54.1	46.0	92.9	93.4	92.9	0.7	42.8	36.4	65.1	65.4	65.0					
20	LP & PP Lantai 8	LANTAI 8	19.6	16.6	29.6	30.9	28.4	0.7	13.7	11.6	20.7	21.6	19.9					
21	PP AC Lantai 8	LANTAI 8	58.0	49.3	153.7	148.5	147.6	0.7	70.8	60.2	107.6	104.0	103.3					
22	SDP ATAP	LANTAI ATAP	43.3	31.6	63.0	74.2	59.9	0.8	28.6	23.0	44.1	51.7	41.7					
JUMLAH			761.7	625.2	1361.7	1369.7	1365.6		607.9	502.9	926.3	933.7	927.0	93.3	65.8	143.7	137.3	142.9
SATUAN			KVA	KW	A	A	A		KVA	KW	A	A	A	KVA	KW	A	A	A

TOTAL BEBAN LISTRIK NORMAL				TOTAL BEBAN LISTRIK EMERGENCY			
TOTAL KVA	607.9	TOTAL KVA	93.3				
TOTAL KW	502.9	TOTAL KW	65.8				

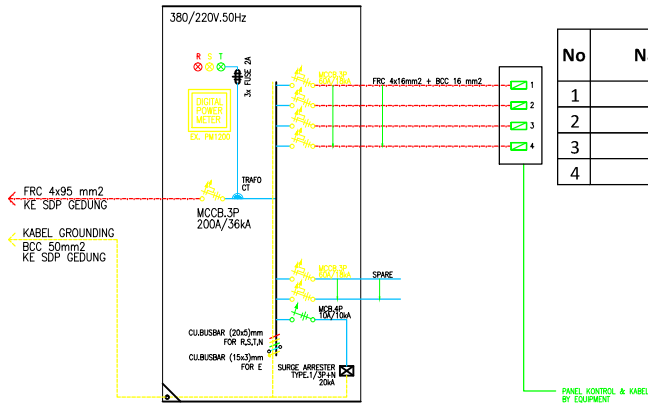
SKEDUL BEBAN LISTRIK POMPA

No	Nama Panel	FUNGSI	BEBAN TERSAMBUNG					FK	BEBAN NORMAL				
			KVA	KW	R	S	T		KVA	KW	R	S	T
1	PK POMPA AB	Power Pompa Transfer AB	25.7	18.0	39.1	39.1	39.1	0.5	12.9	10.9	19.5	19.5	19.5
2	PK KURAS GW	Power Pompa Kuras	2.9	2.0	4.3	4.3	4.3	0.5	1.4	1.2	2.2	2.2	2.2
3	PK DEEP WELL	Power Pompa PK Deepwell	9.3	6.5	14.1	14.1	14.1	1.0	9.3	7.9	14.1	14.1	14.1
4	PK FWT	Power Pompa Equipment FWT	4.3	3.0	6.5	6.5	6.5	0.7	3.0	2.6	4.6	4.6	4.6
JUMLAH			42.1	29.5	64.0	64.0	64.0		26.6	22.6	40.4	40.4	40.4
SATUAN			KVA	KW	A	A	A		KVA	KW	A	A	A

TOTAL BEBAN LISTRIK NORMAL			
TOTAL KVA	26.6		
TOTAL KW	22.6		

SKEDUL BEBAN LISTRIK SDP GEDUNG & SDP POMPA SKALA NTS

SDP (SUB DISTRIBUTION PANEL)
LIFT
UK: 80 x 100 x 25CM



SKEDUL BEBAN LISTRIK SDP LIFT

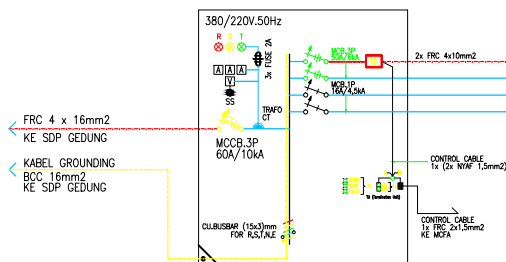
No	Nama Panel	FUNGSI	BEBAN TERSAMBUNG					FK	BEBAN NORMAL					BEBAN EMERGENCY				
			KVA	KW	R	S	T		KVA	KW	R	S	T	KVA	KW	R	S	T
1	PP LIFT 1	LT. ATAP	22.4	15.0	33.9	33.9	33.9	1.0	22.4	15.0	33.9	33.9	33.9	22.4	15.0	33.9	33.9	33.9
2	PP LIFT 2	LT. ATAP	22.4	15.0	33.9	33.9	33.9	0.8	16.8	11.3	25.4	25.4	25.4	16.8	11.3	25.4	25.4	25.4
3	PP LIFT 3	LT. ATAP	22.4	15.0	33.9	33.9	33.9	0.8	16.8	11.3	25.4	25.4	25.4	16.8	11.3	25.4	25.4	25.4
4	PP LIFT 4	LT. ATAP	22.4	15.0	33.9	33.9	33.9	0.6	13.4	9.0	20.3	20.3	20.3	13.4	9.0	20.3	20.3	20.3
JUMLAH SATUAN			89.6	60.0	135.6	135.6	135.6		69.4	46.5	105.1	105.1	105.1	69.4	46.5	105.1	105.1	105.1
			KVA	KW	A	A	A		KVA	KW	A	A	A	KVA	KW	A	A	A

TOTAL BEBAN LISTRIK NORMAL

TOTAL KVA	69.4	TOTAL KVA	69.4
TOTAL KW	46.5	TOTAL KW	46.5

TOTAL BEBAN LISTRIK EMERGENCY

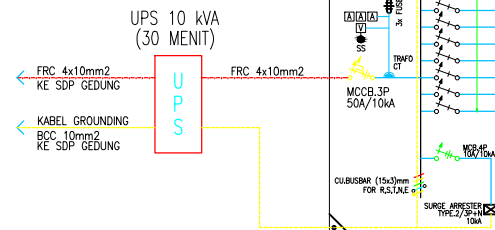
POWER PANEL PRESSURIZED FAN
(PP PRESS FAN)
UK: 60 x 80 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		TOTAL WATT	BEBAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP		R	S	T
1	PRESSURIZED FAN	3	50	15000	28,4	28,4	28,4
2	SPARE						
3	SPARE	1	16				
4							
				15000	28,4	28,4	28,4

TOTAL KVA	18,8
TOTAL WATT	15000

POWER PANEL ELEKTRONIK (PP ELEKTRONIK)
UK: 50 x 70 x 25CM

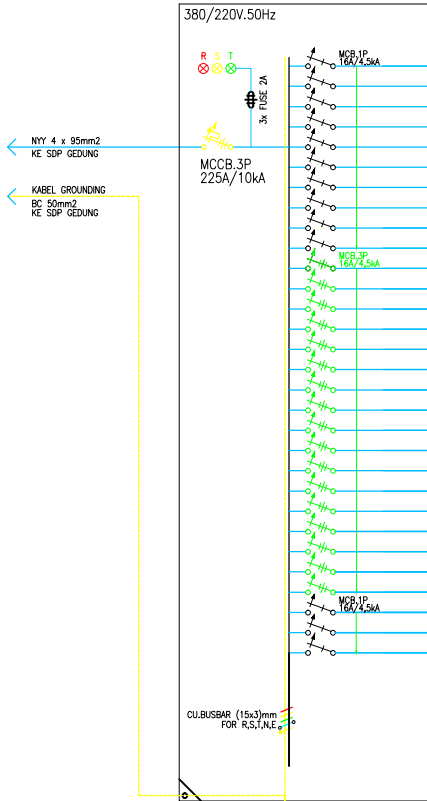


NO	FUNGSI	CIRCUIT BREAKER		TOTAL WATT	BEBAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP		R	S	T
1	PERALATAN SENTRAL FIRE ALARM	1	20	1000			5,3
2	PERALATAN SENTRAL SOUND SYSTEM			1500	8,0		
3	PERALATAN SENTRAL TELEPHONE			1000		5,3	
4	PERALATAN SERVER DATA			1500			8,0
5	PERALATAN SERVER CCTV			1200	6,4		
6	SPARE						
7							
8							
				6200	14,4	5,3	13,4

TOTAL KVA	7,3
TOTAL WATT	6200

SKEDUL BEBAN LISTRIK PP ELEKTRONIK, SDP LIFT & PP PRESS FAN
SKALA NTS

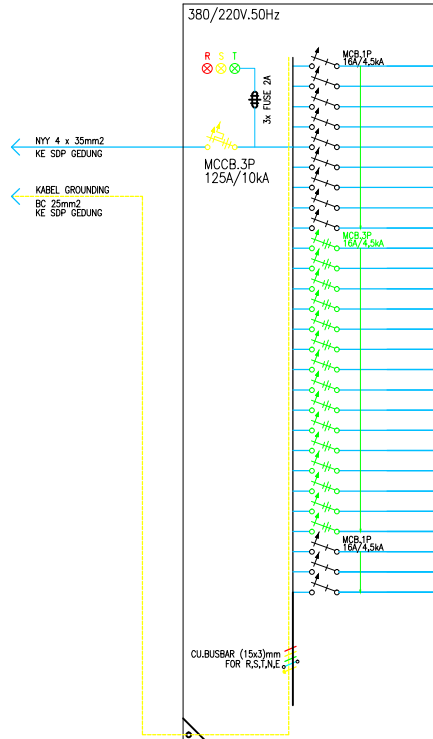
POWER PANEL AC
LANTAI 1
(PP AC LANTAI 1)
UK: 60 x 80 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		AC SPLIT WALL MOUNTED 7% PK	AC SPLIT WALL MOUNTED 1 PK	AC SPLIT CEILING CASSETTE 2 PK	AC SPLIT CEILING CASSETTE 3 PK	AC SPLIT CEILING CASSETTE 6 PK	WALL/CEILING EXHAUST FAN	Kipas Dinding	TOTAL WATT	BEBAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP									R	S	T
1	POWER AC	1	16							2	100	0.6		
2										2	100		0.6	
3										3	150			1.0
4										3	150	1.0		
5										3	150			1.0
6				1							340		2.2	
7				1							340	2.2		
8				1							340	2.2		
9				1							340			2.2
10					1						690	4.5		
11			3			1					1890	4.1	4.1	4.1
12						1					2530	5.5	5.5	5.5
13						1					2530	5.5	5.5	5.5
14						1					2530	5.5	5.5	5.5
15						1					2530	5.5	5.5	5.5
16								1			5040	10.9	10.9	10.9
17								1			5040	10.9	10.9	10.9
18								1			5040	10.9	10.9	10.9
19								1			5040	10.9	10.9	10.9
20								1			5040	10.9	10.9	10.9
21								1			5040	10.9	10.9	10.9
22								1			5040	10.9	10.9	10.9
23								1			5040	10.9	10.9	10.9
24								1			5040	10.9	10.9	10.9
25								1			5040	10.9	10.9	10.9
26								1			5040	10.9	10.9	10.9
27								1			5040	10.9	10.9	10.9
28	SPARE		1								5040	10.9	10.9	10.9
29														
30														
				4	1	1	4	12	11	2	75190	165.7	162.4	161.5

TOTAL KVA	6,3
TOTAL WATT	5379

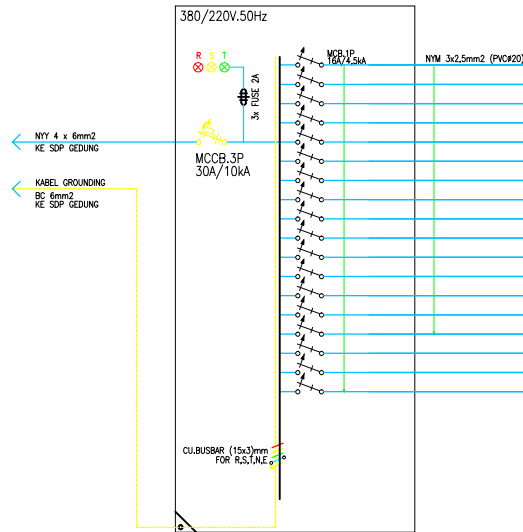
POWER PANEL AC
LANTAI 2
(PP AC LANTAI 2)
UK: 60 x 80 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		AC SPLIT WALL MOUNTED 1/2 PK	AC SPLIT CEILING CASSETTE 2 PK	AC SPLIT CEILING CASSETTE 3 PK	AC SPLIT CEILING CASSETTE 3 1/2 PK	WALL/CEILING EXHAUST FAN	KPLS DINDING	TOTAL WATT	BEBAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP								R	S	T
1	POWER AC	1	16						2	100	0.6		
2									2	100	0.6		
3									2	100		0.6	
4									2	100		0.6	
5									3	150			1.0
6									3	150			1.0
7									3	150			1.0
8									3	150			1.0
9									1	340		2.2	
10			3						1	340	2.2		
11				1						1890	4.1	4.1	4.1
12					1					2530	5.5	5.5	5.5
13					1					2530	5.5	5.5	5.5
14					1					2530	5.5	5.5	5.5
15					1					2530	5.5	5.5	5.5
16					1					2530	5.5	5.5	5.5
17					1					2530	5.5	5.5	5.5
18					1					2530	5.5	5.5	5.5
19					1					2530	5.5	5.5	5.5
20					1					2530	5.5	5.5	5.5
21					1					2530	5.5	5.5	5.5
22						1				2730	5.9	5.9	5.9
23						1				2730	5.9	5.9	5.9
24						1				2730	5.9	5.9	5.9
25	SPARE	1					1			2730	5.9	5.9	5.9
26													
27													
2				2	1	10	4	9	8	39640	86.22	86.22	85.64

TOTAL KVA	6,3
TOTAL WATT	5379

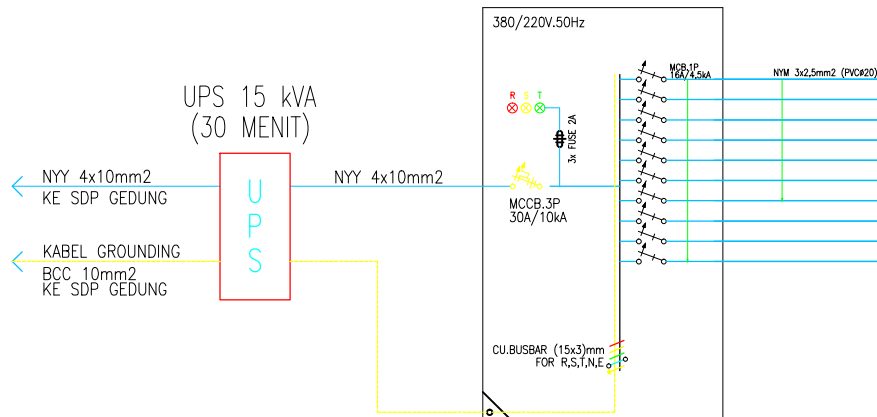
POWER PANEL
LANTAI 3
(LP & PP LANTAI 3)
UK: 50 x 70 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		LED LAMP 10W COIL DAYLIGHT	LED LAMP 10W COIL DAYLIGHT + BATTERY	KOTAK KONTAK DINDING 1 FASE	DOWNLIGHT LED 10W COIL DAYLIGHT + BATTERY	TL LED 9W (PARAFOTUR BULK ONG. / SHARDU)	TL LED 9W (PARAFOTUR BULK ONG. / SHARDU)	KOTAK KONTAK DINDING 40 CM 1 FASE	KOTAK KONTAK DINDING 150 CM 1 FASE	KOTAK KONTAK LANTAI 1 FASE	TOTAL WATT	BEBAN TERPASANG (AMP)			SAKLAR TUNGGAL	SAKLAR GANDA	SAKLAR TUKAR	GRID SWITCH/SAKLAR GAWES		
		JML KUTUB	TRIP AMP											R	S	T						
1	PENERANGAN	1	16	9	1	80	6						1304	6.97						1		1
2						75	8						1162		6.21							1
3				12	3	14	2						374			2.00				3	2	
4				5	1	6	2						172	0.92			1			2		
5				21	4			1	1				268			1.43	4			1		
6	KOTAK KONTAK									3			300		1.60							
7										4			400	2.14								
8										5			500	2.67								
9										5			500		2.67							
10										4			400	2.14								
11										5	1		600		3.21							
12										3	1		400			2.14						
13										3	1		400	2.14								
14										4		3	775			4.14						
15										4			400		2.14							
16	SPARE																					
17																						
18																						
47				9		175	18	1	1	40	3	3	7955	14.31	13.70	14.53	5	7	2		2	

TOTAL KVA	6,3
TOTAL WATT	5379

POWER PANEL
SERVER (PP.SERVER)
UK: 50 x 70 x 25CM

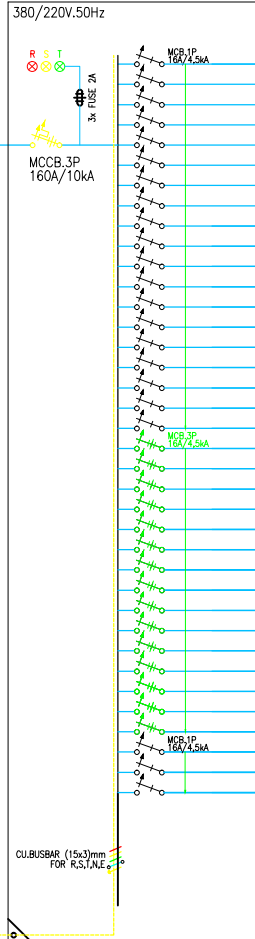


NO	FUNGSI	CIRCUIT BREAKER		KOTAK KONTAK LANTAI	TOTAL WATT	BEBAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP			R	S	T
1	KOTAK KONTAK	1	16	7	1400			7.5
2				7	1400	7.5		
3				7	1400		7.5	
4				7	1400			7.5
5				7	1400	7.5		
6				7	1400		7.5	
7				7	1400			7.5
8	SPARE							
9								
10								
49				49	9800	15.0	15.0	22.5

TOTAL KVA	6,3
TOTAL WATT	5379

SKEDUL BEBAN LISTRIK LP & PP LANTAI 3, PP SERVER
SKALA NTS

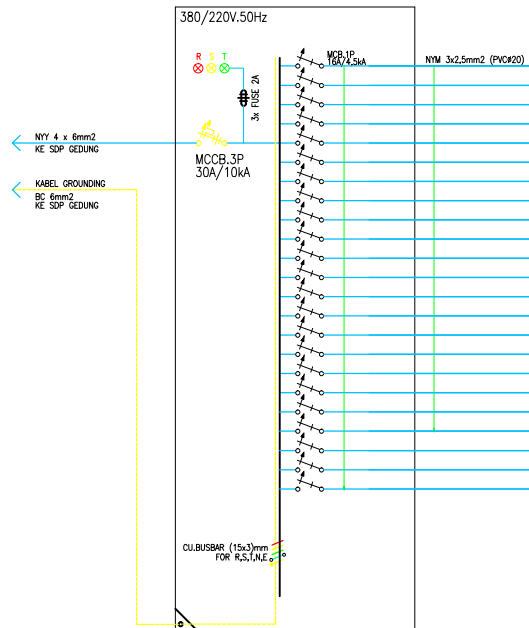
POWER PANEL AC
LANTAI 3
(PP AC LANTAI 3)
UK: 60 x 80 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		AC SPLIT WALL MOUNTED 1/2 PK	AC SPLIT WALL MOUNTED 1 PK	AC SPLIT WALL MOUNTED 1 1/2 PK	AC SPLIT CEILING CASSETTE 2 PK	AC SPLIT CEILING CASSETTE 3 1/2 PK	WALL/CEILING EXHAUST FAN	TOTAL WATT	BEBAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP								R	S	T
1	POWER AC	1	16							50	0.32		
2										3			
3				1						340			2.21
4				1						340			2.21
5				1						340			2.21
6				1						340			2.21
7				1						340	2.21		
8				1						340			2.21
9					1					690			4.48
10					1					690	4.48		
11					1					690			4.48
12					1					690			4.48
13					1					690	4.48		
14										1090			7.08
15						1				1090			7.08
16						1				1090	7.08		
17						1				1090			7.08
18						1				1090			7.08
19						1				1090	7.08		
20			3				1			1890	4.10	4.10	4.10
21							1			1890	4.10	4.10	4.10
22								1		2730	5.93	5.93	5.93
23								1		2730	5.93	5.93	5.93
24								1		2730	5.93	5.93	5.93
25								1		2730	5.93	5.93	5.93
26								1		2730	5.93	5.93	5.93
27								1		2730	5.93	5.93	5.93
28								1		2730	5.93	5.93	5.93
29								1		2730	5.93	5.93	5.93
30								1		2730	5.93	5.93	5.93
31								1		2730	5.93	5.93	5.93
32								1		2730	5.93	5.93	5.93
33								1		2730	5.93	5.93	5.93
34								1		2730	5.93	5.93	5.93
35	SPARE		1						1	2730	5.93	5.93	5.93
36													
37													
				6	5	6	2	13	4	51500	110.88	111.47	112.77

TOTAL KVA	6,3
TOTAL WATT	5379

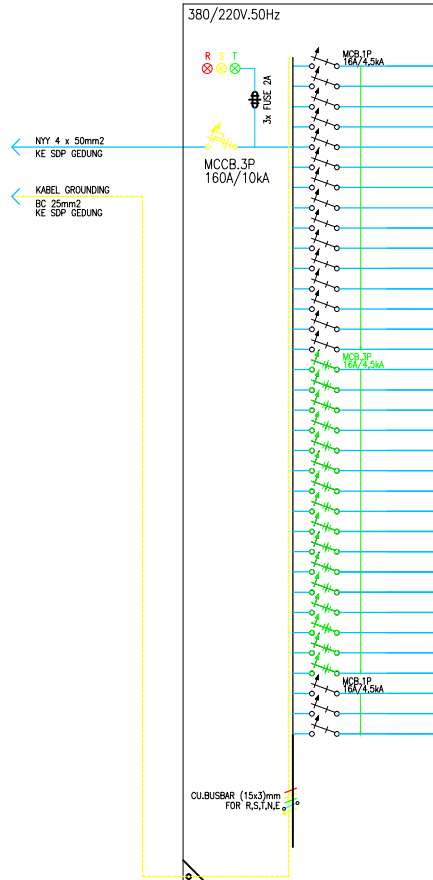
POWER PANEL
LANTAI 4
(LP & PP LANTAI 4)
UK: 50 x 70 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		LED LAMP 10W COLL DAYLIGHT	LED LAMP 10W COLL DAYLIGHT + BATTERY	KOTAK KONTAK DINGIN 1 FASA	DOWNLIGHT LED 10W COLL DAYLIGHT + BATTERY	TL LED 9W (PARAFOTOR BULK ONL / DIMBLE)	TL LED 9W (PARAFOTOR BULK ONL / DIMBLE)	KOTAK KONTAK DINGIN 40 CM 1 FASA	KOTAK KONTAK DINGIN 150 CM 1 FASA	KOTAK KONTAK LANTAI 1 FASA	KOTAK KONTAK PROJEKTOR LANTAI 1 FASA	TOTAL WATT	BEBAN TERPASANG (AMP)			SAKLAR TUNGGAL	SAKLAR GANDA	SAKLAR TUKAR	GRID SWITCH/SAKLAR GANGS		
		JML KUTUB	TRIP AMP												R	S	T						
1	PENERANGAN	1	16			93	7							1400	7.49								1
2				36	6									420		2.25				2		2	
3				12	2			2	1					27		0.14		8					
4						29	1							420		2.25					3		
5						29	1							420		2.25					3		
6						29	1							420			2.25				3		
7						29	1							420			2.25				3		
8						16	1							238			1.27				2		
9						16	1							238			1.27				2		
10	KOTAK KONTAK									4	1			500			2.67						
11										4				775	4.14								
12										4		1	1	775		4.14							
13										4		1	1	775			4.14						
14										4		1	1	775	4.14								
15										2	2	1		525		2.81							
16										4				400			2.14						
17										4				400			2.14						
18													1	625			3.34						
19										6			2	600	3.21								
20										2	2	1		525		2.81							
21	SPARE																						
22																							
23																							
				48	8	241	13	2	1	38	5	7	6	10678	19.0	18.8	19.3	8	20	2	1		

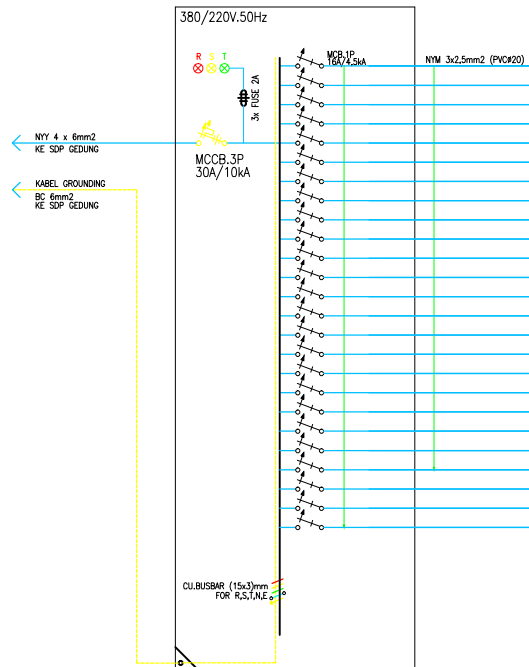
TOTAL KVA	6,3
TOTAL WATT	5379

POWER PANEL AC
LANTAI 4
(PP AC LANTAI 4)
UK: 60 x 80 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		AC SPLIT WALL MOUNTED 1/2 PK	AC SPLIT WALL MOUNTED 2PK	AC SPLIT CEILING CASSETTE 2 PK	AC SPLIT CEILING CASSETTE 3 PK	AC SPLIT CEILING CASSETTE 3 1/2 PK	WALL/CEILING EXHAUST FAN	Kipas Dinding	TOTAL WATT	BEBAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP									R	S	T
1	POWER AC	1	16								150	0.97		
2											150		0.97	
3											150			0.97
4										3	150	0.97		
5											150		0.97	
6											150			0.97
7											150	0.97		
8											150		0.97	
9											150			0.97
10				1							340	2.21		
11				1							340		2.21	
12					1						2100			13.64
13					1						2100	13.64		
14					1						2100		13.64	
15					1						2100			13.64
16			3			1					1890	4.10	4.10	4.10
17							1				2530	5.49	5.49	5.49
18							1				2530	5.49	5.49	5.49
19							1				2530	5.49	5.49	5.49
20							1				2530	5.49	5.49	5.49
21							1				2530	5.49	5.49	5.49
22							1				2530	5.49	5.49	5.49
23							1				2530	5.49	5.49	5.49
24							1				2530	5.49	5.49	5.49
25								1			2730	5.93	5.93	5.93
26								1			2730	5.93	5.93	5.93
27								1			2730	5.93	5.93	5.93
28								1			2730	5.93	5.93	5.93
29								1			2730	5.93	5.93	5.93
30								1			2730	5.93	5.93	5.93
31								1			2730	5.93	5.93	5.93
32	SPARE		1											
33														
34														
				2	4	1	8	6	9	18	48940	102.4	102.4	113.8

POWER PANEL
LANTAI 6
(LP & PP LANTAI 6)
UK: 50 x 70 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		LED LAMP 10W COLL DAYLIGHT	LED LAMP 10W COLL DAYLIGHT + BATTERY	KOTAK KONTAK DINDING 1 FASA	DOWNLIGHT LED 2x10W COLL DAYLIGHT + BATTERY	TL LED 9W (PARAFOTOR BULK ONL / BULK)	TL LED 9W (PARAFOTOR BULK ONL / BULK)	KOTAK KONTAK DINDING 40 CM 1 FASA	KOTAK KONTAK DINDING 150 CM 1 FASA	KOTAK KONTAK LANTAI 1 FASA	KOTAK KONTAK PROJEKTOR LANTAI 1 FASA	TOTAL WATT	BEBAN TERPASANG (AMP)			SAKLAR TUNGGAL	SAKLAR GANDA	SAKLAR TUKAR	GRID SWITCH / SAKLAR GANGS		
		JML KUTUB	TRIP AMP												R	S	T						
1	PENERANGAN	1	16			29	1							420	2.25				3				
2						29	1							420		2.25			3				
3						29	1							420			2.25		3				
4						29	1							420	2.25				3				
5						16	1							238		1.27			2	2			
6						29	1							420			2.25		3				
7						29	1							406	2.17				3				
8						29	1							420		2.25			3				
9						16	1							238			1.27		2				
10						37	5							420	2.25				2	2			
11						12	2			2	1			167	0.89			8	2				
12	KOTAK KONTAK													500			2.67						
13										4	1			750	4.01								
14										4	1			750		4.01							
15										4	1			750			4.01						
16										4	1			750	4.01								
17										2	2	1		525		2.81							
18										4				400			2.14						
19										4	1			750		4.01							
20										4	1			750		4.01							
21										4	1			750			4.01						
22										4	1			750			4.01						
23										2	2	1		525	2.81								
24																							
25	SPARE																						
						49	7	235	9	2	1	40	12	2	7	11189	20.63	20.60	18.60	8	29	4	0

TOTAL KVA	6,3
TOTAL WATT	5379

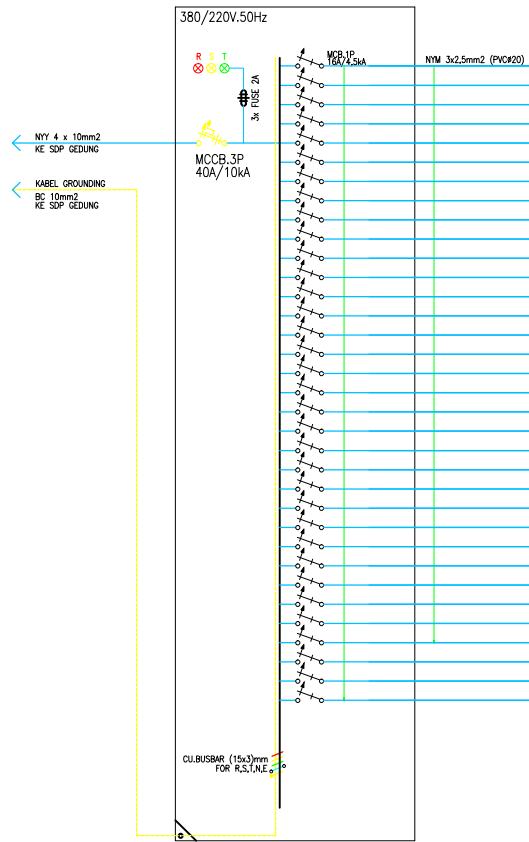
POWER PANEL AC
LANTAI 5
(PP AC LANTAI 5)
UK: 60 x 80 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		AC SPLIT WALL MOUNTED 1/ PK	AC SPLIT WALL MOUNTED 2/ PK	AC SPLIT CEILING CASSETTE 2 PK	AC SPLIT CEILING CASSETTE 3 PK	WALL/CEILING EXHAUST FAN	Kipas Dinding	TOTAL WATT	BEBAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP								R	S	T
1	POWER AC	1	16						3	150	2.92		
2									3	150	2.92		
3									3	150		2.92	
4									3	150	2.92		
5									3	150		2.92	
6									3	150		2.92	
7									3	150	2.92		
8									3	150		2.92	
9									3	150	2.92		
10									3	150	2.92		
11									3	150		2.92	
12									3	150		2.92	
13				1					3	340		2.21	
14				1					3	340		2.21	
15				1					1	2100			13.64
16				1					1	2100			13.64
17				1					1	2100	13.64		
18				1					1	2100			13.64
19						1			1	1890	4.10	4.10	4.10
20			3			1			1	2530	5.49	5.49	5.49
21						1			1	2530	5.49	5.49	5.49
22						1			1	2530	5.49	5.49	5.49
23						1			1	2530	5.49	5.49	5.49
24						1			1	2530	5.49	5.49	5.49
25						1			1	2530	5.49	5.49	5.49
26						1			1	2530	5.49	5.49	5.49
27						1			1	2530	5.49	5.49	5.49
28						1			1	2530	5.49	5.49	5.49
29						1			1	2530	5.49	5.49	5.49
30						1			1	2530	5.49	5.49	5.49
31						1			1	2530	5.49	5.49	5.49
32						1			1	2530	5.49	5.49	5.49
33						1			1	2530	5.49	5.49	5.49
34	SPARE		1						1	2530	5.49	5.49	5.49
35													
36													
				2	4	1	14	9	27	48190	112.1	110.7	114.1

TOTAL KVA	6,3
TOTAL WATT	5379

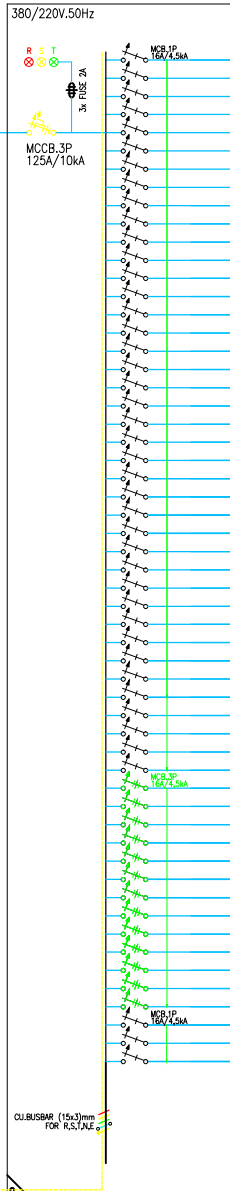
POWER PANEL
LANTAI 7
(LP & PP LANTAI 7)
UK: 50 x 70 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		LED LAMP 10W COIL DAYLIGHT	LED LAMP 10W COIL DAYLIGHT + BATTERY	KOTAK KONTAK DINGIN 1 FASA	DOWNLIGHT LED 10W COIL DAYLIGHT + BATTERY	TL LED 9W (PARAFOTOR BULK ONL / SWARO)	TL LED 9W (PARAFOTOR BULK ONL / SWARO)	KOTAK KONTAK DINGIN 40 CM 1 FASA	KOTAK KONTAK DINGIN 150 CM 1 FASA	KOTAK KONTAK LANTAI 1 FASA	KOTAK KONTAK PROJEKTOR LANTAI 1 FASA	TOTAL WATT	BEBAN TERPASANG (AMP)			SAKLAR TUNGGAL	SAKLAR GANDA	SAKLAR TUKAR	GRID SWITCH / SAKLAR GANS			
		JML KUTUB	TRIP AMP												R	S	T							
1	PENERANGAN	1	16				29	1						420	2.25				3					
2							29	1						420		2.25			3					
3							29	1						420			2.25		3					
4							22	5						378	2.02				5					
5							25	5						420		2.25			6					
6							44	2						644			3.44					1		
7							25	5						420	2.25				6					
8							10	2						168		0.90			2					
9							26	6						448			2.40		6					
10							37	5						420	2.25				2					
11							12	2						167		0.89		8	2	4				
12	KOTAK KONTAK								2	1				500										
13										4	1			450	2.41			2.67						
14										2		2		500		2.67								
15												6		750			4.01							
16										4		1	1	775	4.14									
17										4		1	1	775		4.14								
18										4		1	1	775			4.14							
19										1		1		225	1.20									
20										6				600		3.21								
21										3		3		675			3.61							
22										4		2		650	3.48									
23										2		2		450		2.41								
24												6		750			4.01							
25												6		750	4.01									
26												6		750			4.01							
27												6		750			4.01							
28										4		2		650	3.48									
29										3		3		675		3.61								
30										3				675			3.61							
31										3	1	1		525			2.81							
32	SPARE									4				400	2.14									
33																								
34																								
49							49	7	239	28	2	1	48	2	53	3	16700	29.6	30.3	29.3	8	38	4	1

TOTAL KVA	6,3
TOTAL WATT	5379

POWER PANEL AC
LANTAI 7
(PP AC LANTAI 7)
UK: 60 x 80 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		LOAD TYPE								TOTAL WATT	BEBAN TERPASANG (AMP)				
		JML KUTUB	TRIP AMP	AC SPLIT WALL MOUNTED 1/2 PK	AC SPLIT WALL MOUNTED 3/4 PK	AC SPLIT WALL MOUNTED 1 PK	AC SPLIT WALL MOUNTED 1 1/2 PK	AC SPLIT CEILING CASSETTE 1 1/2 PK	AC SPLIT CEILING CASSETTE 2 PK	AC SPLIT CEILING CASSETTE 2 1/2 PK	AC SPLIT CEILING CASSETTE 3 PK		WALL/CEILING EXHAUST FAN	KIPAS DINDING	R	S	T
1	POWER AC	1	16										50	0.27			
2													100		0.53		
3													100			0.53	
4													100	0.53			
5													100		0.53		
6													100		0.53		
7													100		0.53		
8													150	0.80			
9													150		0.80		
10													150		0.80	0.80	
11													150	0.80			
12													150		0.80	0.80	
13													150	0.80			
14													150		0.80		
15													340		1.82		
16													340		1.82		
17													540		2.89		
18													540		2.89	2.89	
19													540	2.89			
20													540		2.89		
21													540		2.89	2.89	
22													540	2.89			
23													540		2.89		
24													540		2.89	2.89	
25													540	2.89			
26													540		2.89		
27													540		2.89	2.89	
28													540	2.89			
29													540		2.89	2.89	
30													540	2.89			
31													540		2.89	2.89	
32													540	2.89			
33													540		2.89	2.89	
34													690	3.69			
35													690		3.69		
36													690		3.69	3.69	
37													690	3.69			
38													690		3.69	3.69	
39													690	3.69			
40													690		3.69	3.69	
41			3										1832	9.80			
42													1240	2.69	2.69	2.69	
43													1890	4.10	4.10	4.10	
44													1890	4.10	4.10	4.10	
45													1890	4.10	4.10	4.10	
46													2129	4.62	4.62	4.62	
47													2129	4.62	4.62	4.62	
48													2129	4.62	4.62	4.62	
49													2530	5.49	5.49	5.49	
50													2530	5.49	5.49	5.49	
51													2530	5.49	5.49	5.49	
52													2530	5.49	5.49	5.49	
53													2530	5.49	5.49	5.49	
54	SPARE		1										2530	5.49	5.49	5.49	
55																	
56																	
				2	17	6	1	1	3	3	6	9	25	46009	92.9	93.4	92.9

SKEDUL BEBAN LISTRIK PP AC LANTAI 7
SKALA NTS

TOTAL KVA	6,3
TOTAL WATT	5379

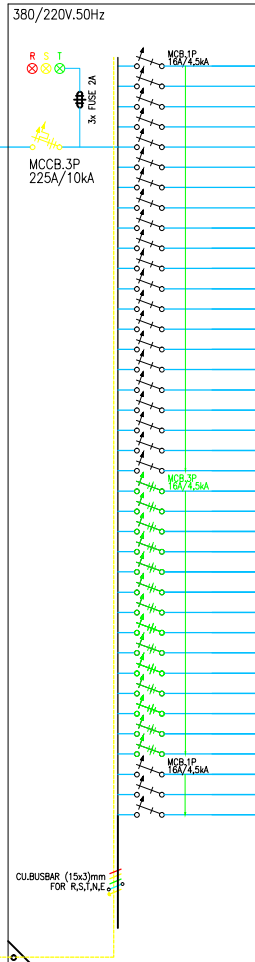
POWER PANEL
LANTAI 8
(LP & PP LANTAI 8)
UK: 50 x 70 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		LED LAMP 10W COIL DAYLIGHT	LED LAMP 10W COIL DAYLIGHT + BATTERY	KOTAK KONTAK DINDING 1 FASA	DOWNLIGHT LED 10W COIL DAYLIGHT + BATTERY	TL LED 9W (PARALOTER BULK ONL / BULK)	TL LED 9W (PARALOTER BULK ONL / BULK)	KOTAK KONTAK DINDING 40 CM 1 FASA	KOTAK KONTAK DINDING 150 CM 1 FASA	KOTAK KONTAK LANTAI 1 FASA	KOTAK KONTAK PROJEKTOR LANTAI 1 FASA	TOTAL WATT	BEBAN TERPASANG (AMP)			SAKLAR TUNGGAL	SAKLAR GANDA	SAKLAR TUKAR	GRID SWITCH / SAKLAR GANES	
		JML KUTUB	TRIP AMP												R	S	T					
1	PENERANGAN	1	16			23	1							336	1.80				2			
2						16	1							238		1.27			2			
3						29	1							420			2.25		3			
4						16	1							238	1.27				2			
5						44	4							672		3.59						1
6						45	3							672			3.59					1
7						56	6							868	4.64							1
8														420		2.25					4	
9						12	2		2	1				167			0.89	8	2			
10	KOTAK KONTAK									4	1			500	2.67							
11										4			1	775		4.14						
12										4			4	500			2.67					
13										4			4	500	2.67							
14										4			4	500		2.67						
15										4			4	500			2.67					
16										4			4	500	2.67							
17										4			4	500		2.67						
18										4			4	500			2.67					
19										1			4	600	3.21							
20													4	500		2.67						
21													4	500			2.67					
22										4			4	400	2.14							
23										4			4	400		2.14						
24										2	2	1	4	525			2.81					
25										1			4	600	3.21							
26													4	500		2.67						
27													4	500			2.67					
28													4	500	2.67							
29													4	500		2.67						
30													4	500			2.67					
31													4	500			2.67					
32													4	500	2.67							
33										4		1	1	775		4.14						
34	SPARE									2	2	1		525			2.81					
35																						
36																						
49						7	229	17	2	1	26	5	72	2	16631	29.6	30.9	28.4	8	13	4	3

TOTAL KVA	6,3
TOTAL WATT	5379

POWER PANEL AC
LANTAI 8
(PP AC LANTAI 8)
UK: 60 x 80 x 25CM



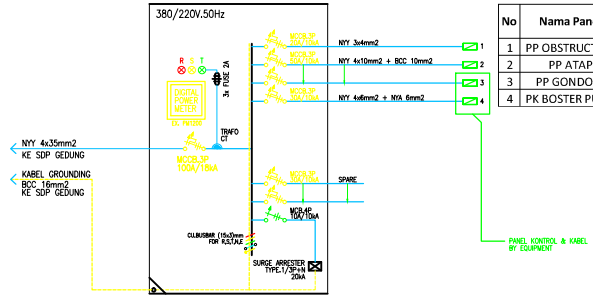
← N.Y.M. 4 x 95mm²
KE SDP GEDUNG

← KABEL GROUNDING
BC 50mm²
KE SDP GEDUNG

NO	FUNGSI	CIRCUIT BREAKER		AC SPLIT WALL MOUNTED ½ PK	AC SPLIT WALL MOUNTED 2 PK	AC SPLIT CEILING CASSETTE 2 PK	AC SPLIT CEILING CASSETTE 3 PK	WALL/CEILING EXHAUST FAN	Kipas DINGIN	TOTAL WATT	BEBAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP								R	S	T
1	POWER AC	1	16						2	100		0.65	
2									2	100			0.65
3									3	150		0.97	
4									3	150			0.97
5									3	150		0.97	
6									3	150			0.97
7								3	150		0.97		
8								3	150			0.97	
9								3	150		0.97		
10				1						340			2.21
11				1						340		2.21	
12					1					1832	11.90		
13					1					1832		11.90	
14					1					1832			11.90
15					1					1832	11.90		
16					1					1832		11.90	
17					1					1832			11.90
18					1					1832	11.90		
19					1					1832		11.90	
20					1					1832			11.90
21					1					1832	11.90		
22			3			1				1890	4.10	4.10	4.10
23						1				1890	7.11	7.11	7.11
24						1				1890	7.11	7.11	7.11
25						1				1890	7.11	7.11	7.11
26						1				1890	7.11	7.11	7.11
27						1				1890	7.11	7.11	7.11
28						1				1890	7.11	7.11	7.11
29						1				1890	7.11	7.11	7.11
30						1				1890	7.11	7.11	7.11
31						1				1890	7.11	7.11	7.11
32							1			1890	7.11	7.11	7.11
33							1			2530	9.51	9.51	9.51
34							1			2530	9.51	9.51	9.51
35							1			2530	9.51	9.51	9.51
36	SPARE		1							2530	9.51	9.51	9.51
37													
38													
2				2	10	10	4	9	16	49270	153.7	148.5	147.6

TOTAL KVA	6,3
TOTAL WATT	5379

SUB DISTRIBUTION PANEL
ATAP (SDP ATAP)
UK: 60 x 80 x 25CM



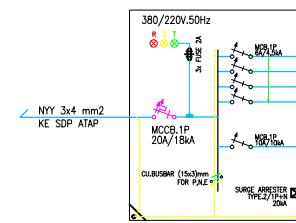
SKEDUL BEBAN LISTRIK SDP ATAP

No	Nama Panel	FUNGSI	BEBAN TERSAMBUNG					FK	BEBAN NORMAL				
			KVA	KW	R	S	T		KVA	KW	R	S	T
1	PP OBSTRUCTION	LT. ATAP	0.1	0.1	0.6	0.0	0.0	1.0	0.4	0.4	0.6	0.0	0.0
2	PP ATAP	LT. ATAP	18.8	14.5	25.4	37.3	23.0	0.7	13.3	10.0	17.8	26.1	16.1
3	PP GONDOLA	LT. ATAP	15.7	11.0	23.9	23.9	23.9	0.8	11.1	9.4	19.1	19.1	19.1
4	PK BOSTER PUMP	LT. ATAP	8.6	6.0	13.0	13.0	13.0	0.5	3.8	3.2	6.5	6.5	6.5
JUMLAH			43.3	31.6	63.0	74.2	59.9		28.6	23.0	44.1	51.7	41.7
SATUAN			KVA	KW	A	A	A		KVA	KW	A	A	A

TOTAL BEBAN LISTRIK
NORMAL

TOTAL KVA	28.6
TOTAL KW	23.0

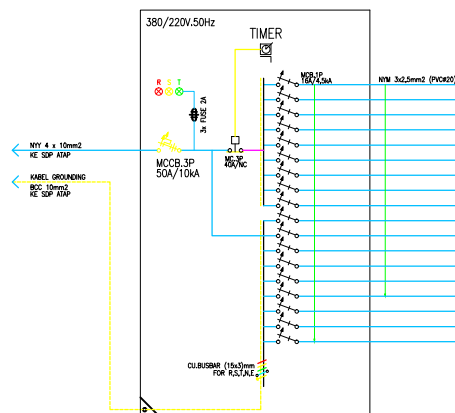
POWER PANEL OBSTRUCTION
(PP OBSTRUCTION)
UK: 40 x 60 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		TOTAL WATT	BEBAN TERPASANG (AMP)
		JML. KUTUB	TRIP AMP		
1	OBSTRUCTION LAMP	1	6	100	0.6
2	SPARE				
3					
4					

TOTAL KVA	0,1
TOTAL WATT	100

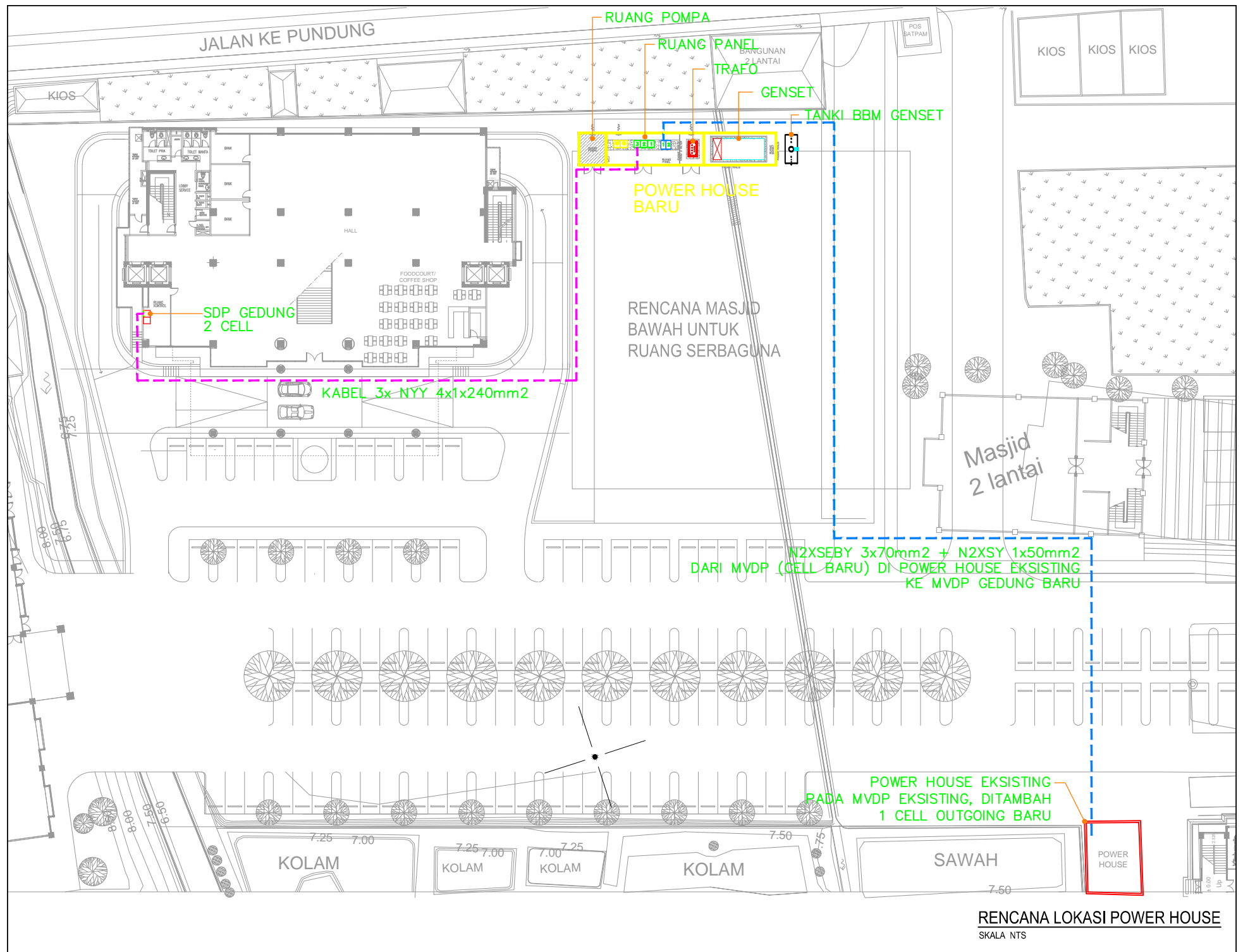
POWER PANEL
LANTAI ATAP (PP.A)
UK: 50 x 70 x 25CM



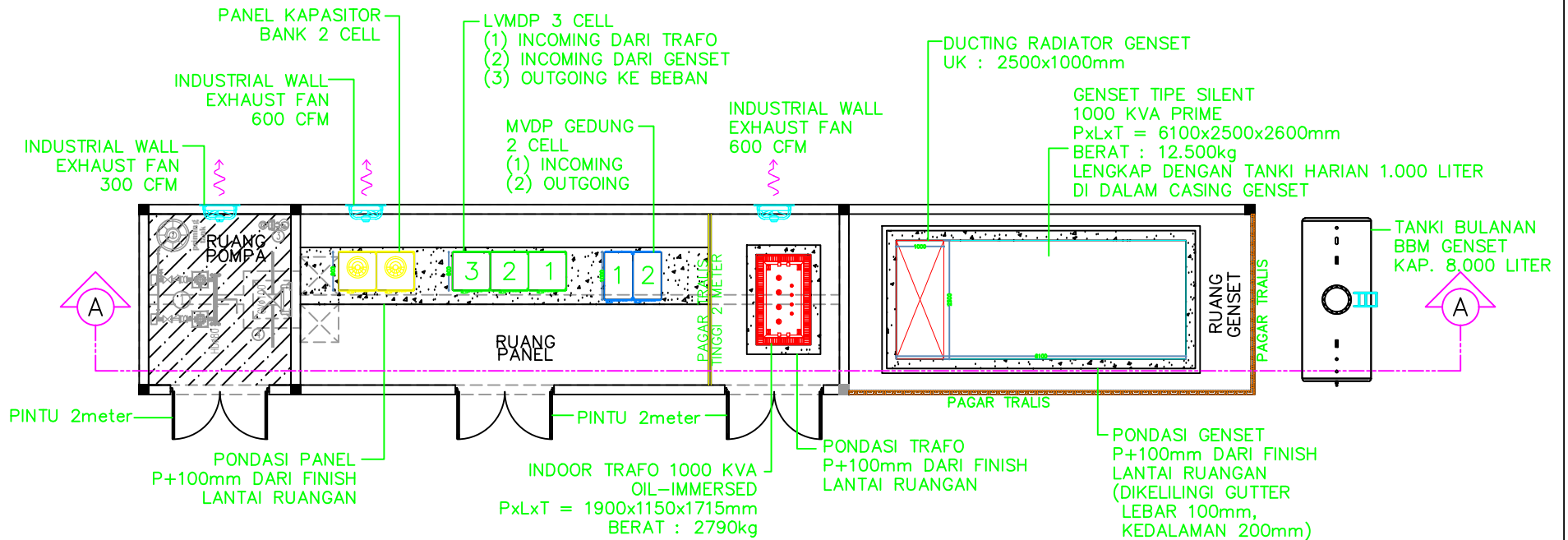
NO	FUNGSI	CIRCUIT BREAKER		TOTAL WATT	BEBAN TERPASANG (AMP)			SALUR ENERGI				
		JML. KUTUB	TRIP AMP		R	S	T					
1	PENERANGAN	1	16	15	0,1							
2				8		0,2						
3				10			0,3					
4				9	0,2							
5				4		0,1						
6				7			0,2					
7	SPARE SIKRING			35								
8				2000	10,7							
9				2000		10,7						
10	PENERANGAN & AK			472	2,5		1					
11				472		2,5	1					
12	POWER AC			1	1832		11,9					
13				1	1832		11,9					
14				1	1832		11,9					
15				1	1832		11,9					
16	SPARE											
17												
18												
41				6	2	8	4	14477	25,4	37,3	23,0	2

TOTAL KVA	18,9
TOTAL WATT	14477

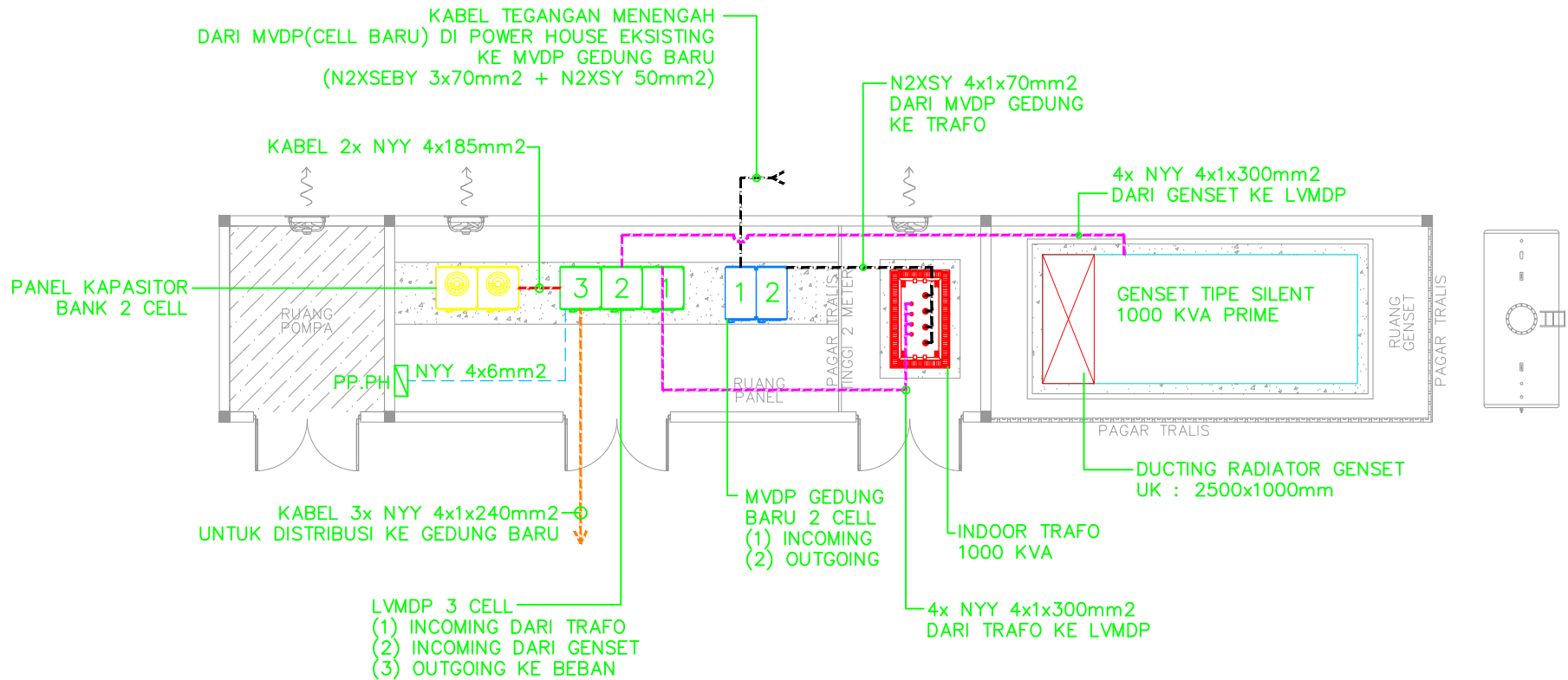
DENAH GAMBAR POWER HOUSE



RENCANA LOKASI POWER HOUSE
 SKALA NTS

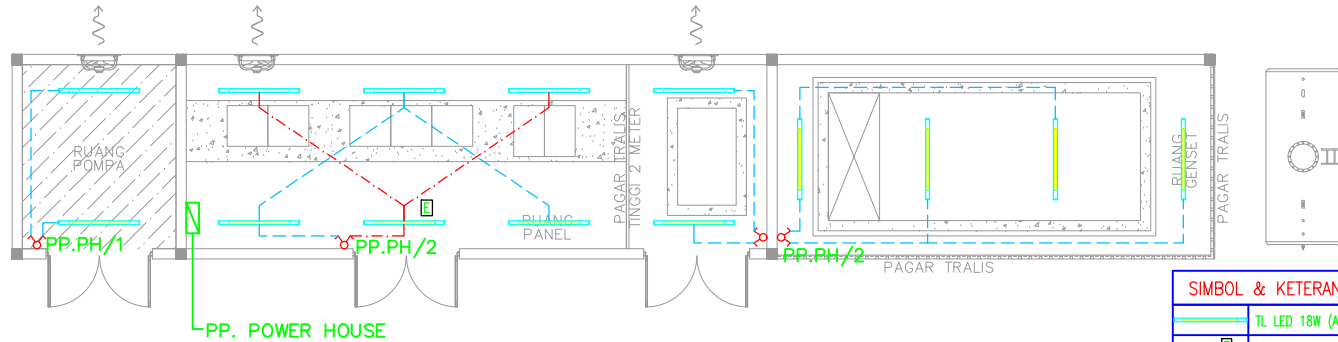


RENCANA DENAH & PERALATAN
 POWER HOUSE
 SKALA NTS



KETERANGAN :
 INSTALASI DISTRIBUSI KABEL LISTRIK
 MENGGUNAKAN LADDER KABEL

**RENCANA DISTRIBUSI LISTRIK
 POWER HOUSE**
 SKALA NTS



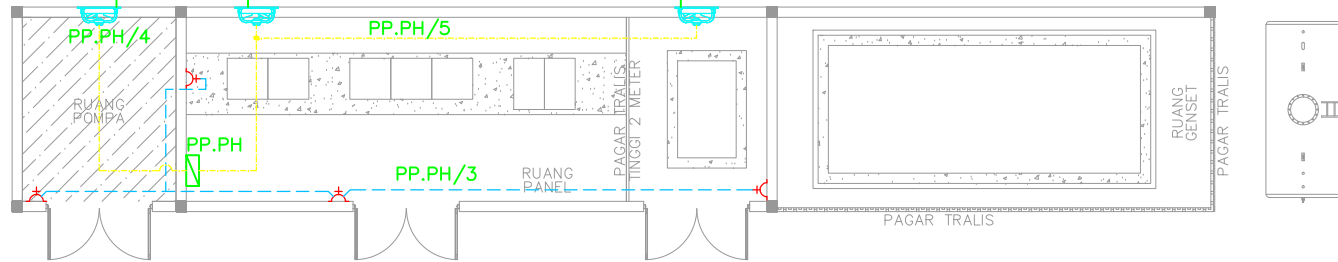
SIMBOL & KETERANGAN	
	TL LED 18W (ARMATUR BALK OVAL / BAMBU)
	TL LED 18W (ARMATUR BALK OVAL / BAMBU) + BATTERY
	SAKLAR GANDA

PP.X/X
 — NO. GRUP (MCB) DI PANEL
 — NAMA PANEL

- CATATAN :
- INSTALASI PENERANGAN MENGGUNAKAN KABEL NYM 3x2,5mm2 DALAM HIGH IMPACT CONDUIT ø20mm
 - LAMPU EMERGENCY HARUS DAPAT DIFUNGSIKAN SEBAGAI LAMPU NORMAL

**RENCANA PENERANGAN
 POWER HOUSE**
 SKALA NTS

- INDUSTRIAL WALL EXHAUST FAN-1 300 CFM W/ AUTO DAMPER (MENGGUNAKAN DOL STARTER, DIPASANG DI PANEL PP.PH) GRUP MCB = PP.PH/4
- INDUSTRIAL WALL EXHAUST FAN-2 600 CFM W/ AUTO DAMPER (MENGGUNAKAN DOL STARTER, DIPASANG DI PANEL PP.PH) GRUP MCB = PP.PH/5
- INDUSTRIAL WALL EXHAUST FAN-3 600 CFM W/ AUTO DAMPER (MENGGUNAKAN DOL STARTER, DIPASANG DI PANEL PP.PH) GRUP MCB = PP.PH/5



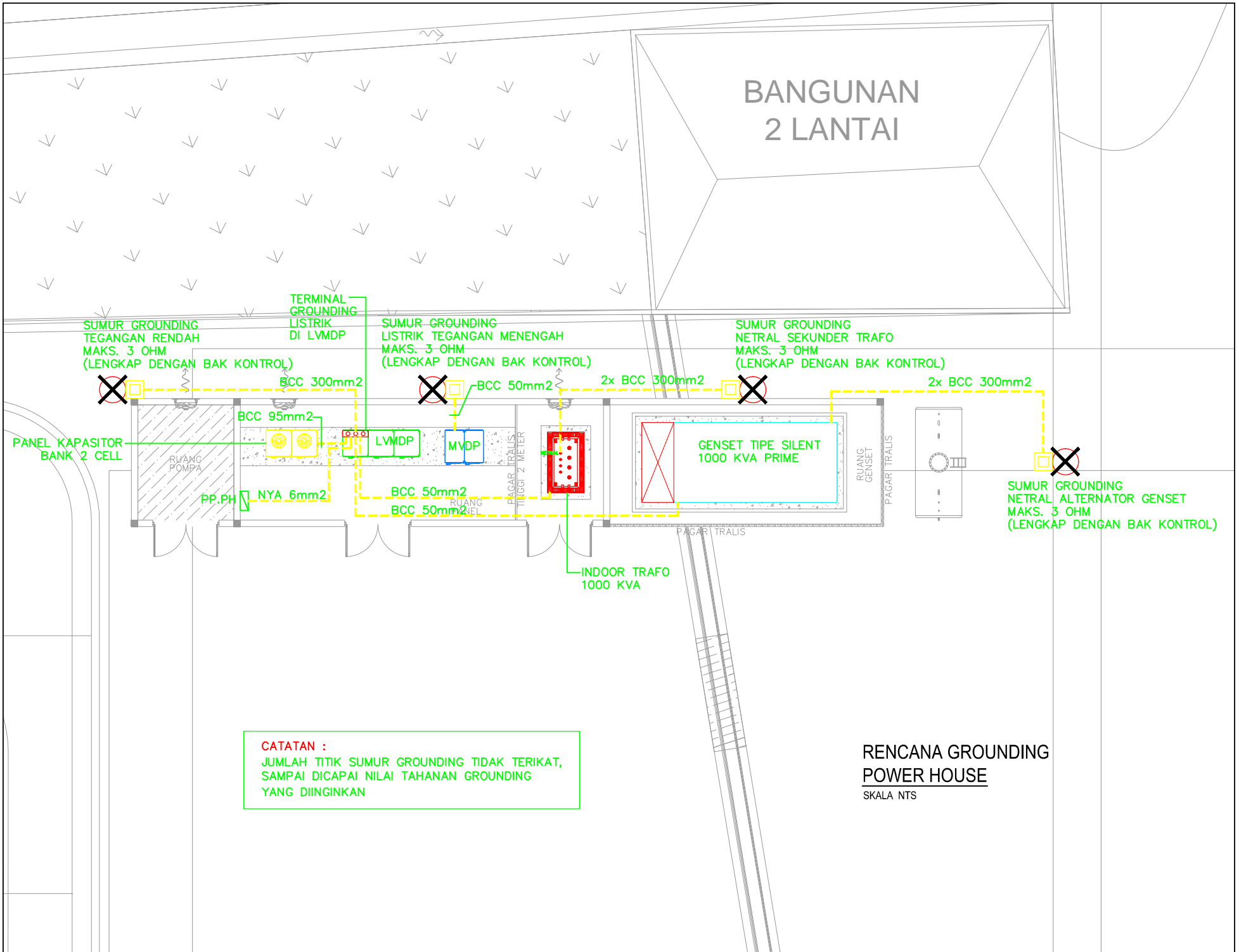
SIMBOL & KETERANGAN	
	KOTAK KONTAK DINDING 1 FASA (T=40CM)

PP.X/X
 — NO. GRUP (MCB) DI PANEL
 — NAMA PANEL

- INSTALASI KOTAK KONTAK MENGGUNAKAN KABEL NYM 3x2,5mm2 DALAM HIGH IMPACT CONDUIT ø20mm

**RENCANA KOTAK KONTAK & EXHAUST FAN
 POWER HOUSE**
 SKALA NTS

BANGUNAN 2 LANTAI



SUMUR GROUNDING
TEGANGAN RENDAH
MAKS. 3 OHM
(LENGKAP DENGAN BAK KONTROL)

TERMINAL
GROUNDING
LISTRIK
DI LVMDP

SUMUR GROUNDING
LISTRIK TEGANGAN MENENGAH
MAKS. 3 OHM
(LENGKAP DENGAN BAK KONTROL)

SUMUR GROUNDING
NETRAL SEKUNDER TRAFU
MAKS. 3 OHM
(LENGKAP DENGAN BAK KONTROL)

PANEL KAPASITOR
BANK 2 CELL

RUANG
POMPA

BCC 95mm²

LVMDP

MVDP

GENSET TIPE SILENT
1000 KVA PRIME

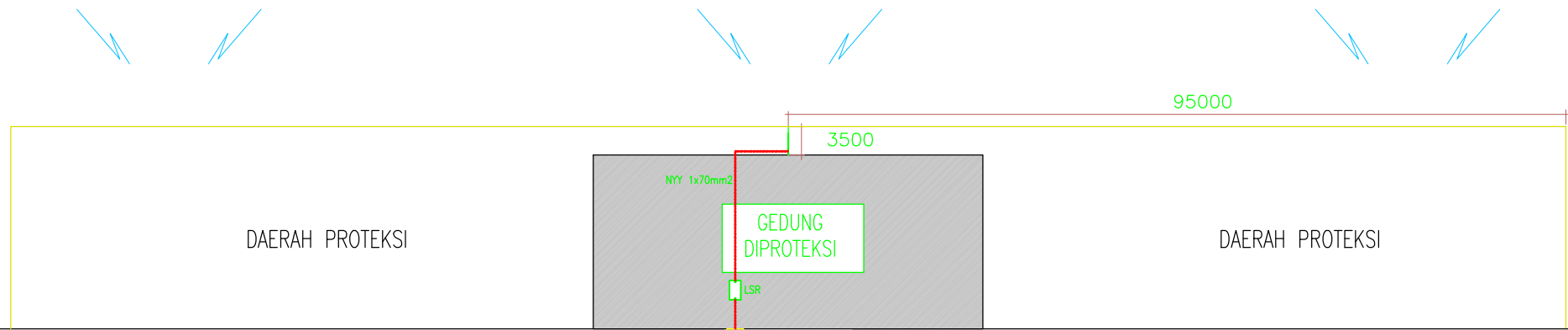
RUANG
GENSET

SUMUR GROUNDING
NETRAL ALTERNATOR GENSET
MAKS. 3 OHM
(LENGKAP DENGAN BAK KONTROL)

CATATAN :
JUMLAH TITIK SUMUR GROUNDING TIDAK TERIKAT,
SAMPAI DICAPAI NILAI TAHANAN GROUNDING
YANG DIINGINKAN

**RENCANA GROUNDING
POWER HOUSE**
SKALA NTS

GAMBAR RENCANA PENANGKAL PETIR



EARLY STREAMER EMISSION LIGHTNING CONDUCTOR
"FLASH VECTRON" FV.6

KETERANGAN GAMBAR :

H : TINGGI TERMINAL UDARA PENYALUR PETIR DARI LEVEL TERTINGGI
 GEDUNG YG DIPROTEKSI

Rp : RADIUS PROTEKSI PENYALUR PETIR

TABEL RADIUS PERLINDUNGAN STANDART FLASH VECTRON FV.6

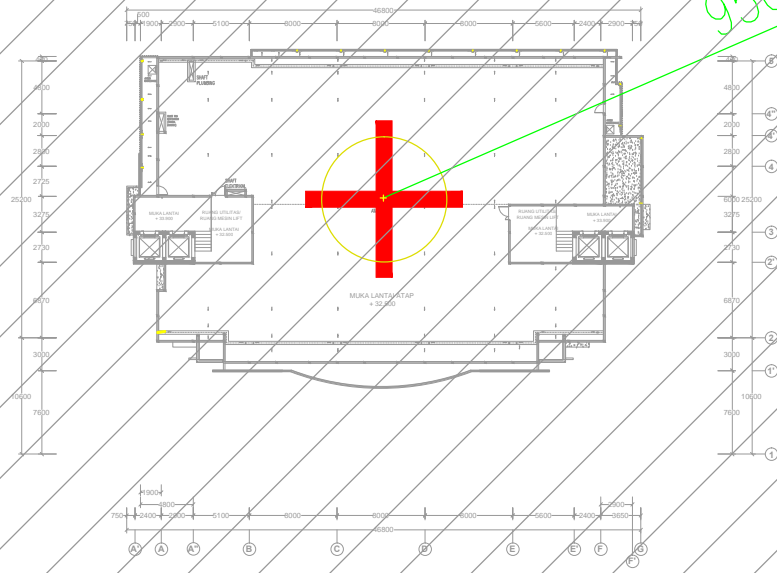
H (m)	3	4	5	6	7	8	9	10	20
FV.6	95	110	123	135	146	156	166	175	247

 **DIAGRAM SKEMATIK PENANGKAL PETIR**
 SKALA NTS

RADIUS
PROTEKSI

95000

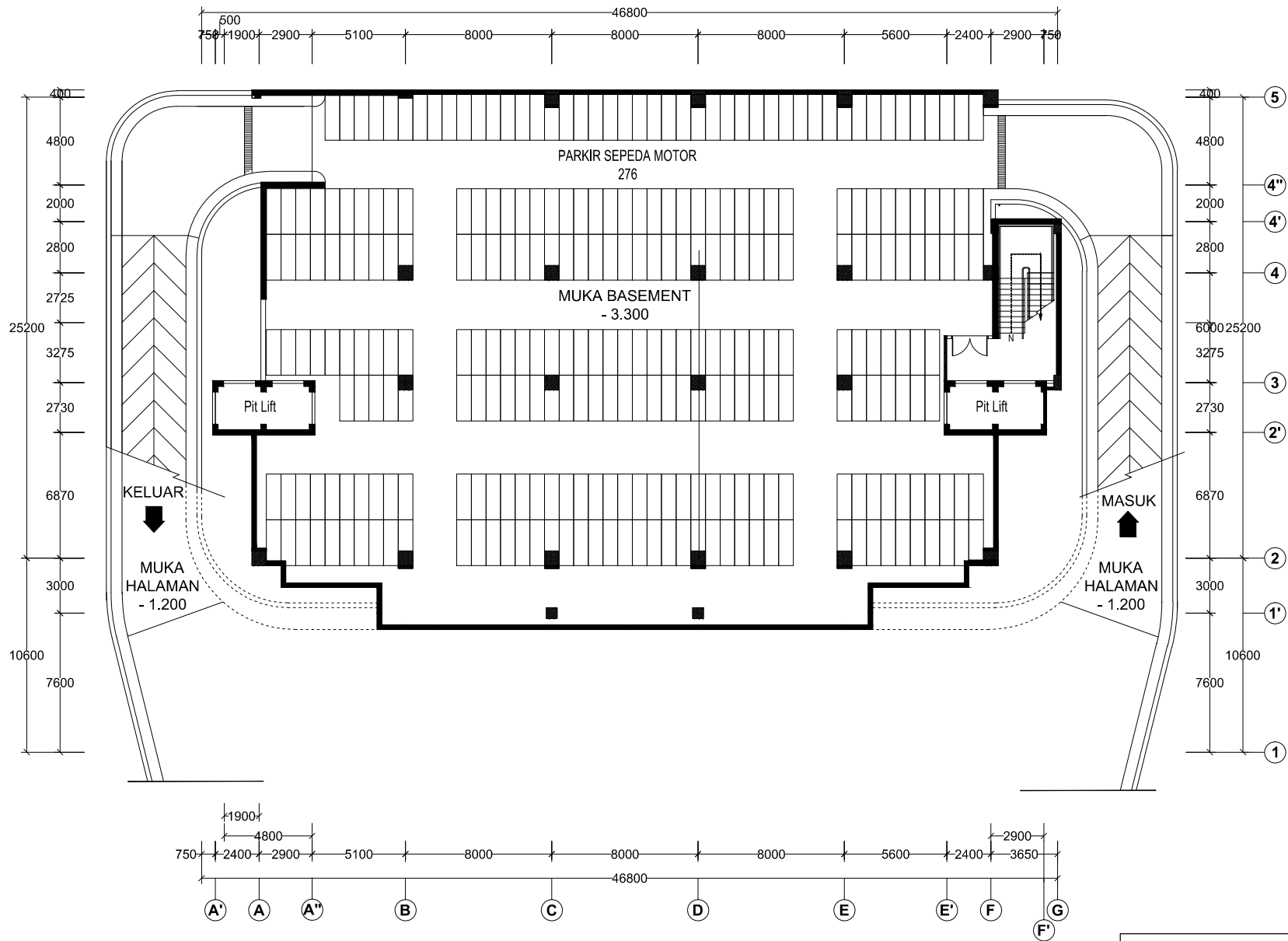
RADIUS
PROTEKSI



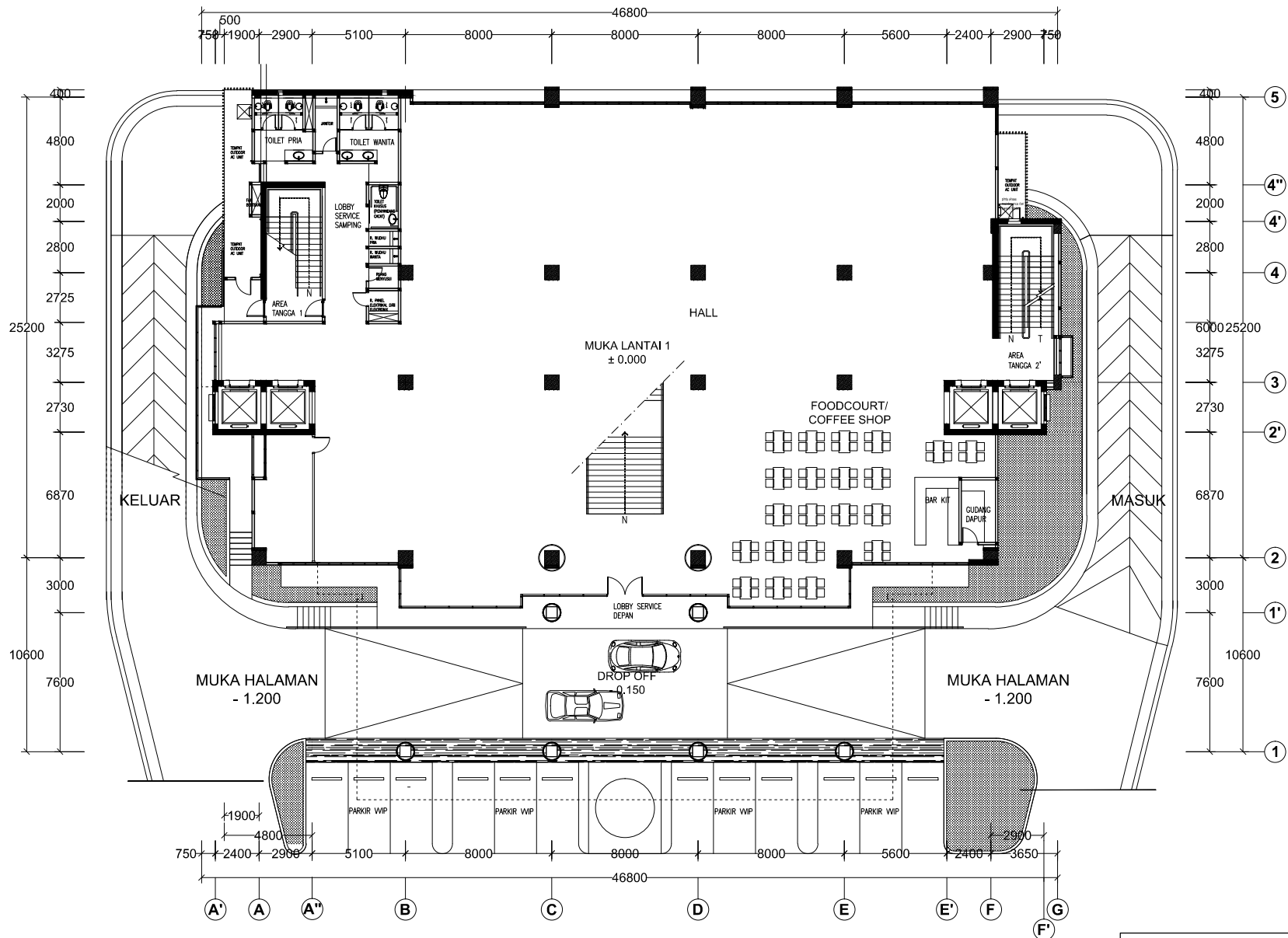
TIANG PENYALUR PETIR (FLASH VECTRON FV6 4 METER)
DI ATAP GEDUNG

RADIUS PENYALUR PETIR
SKALA NTS

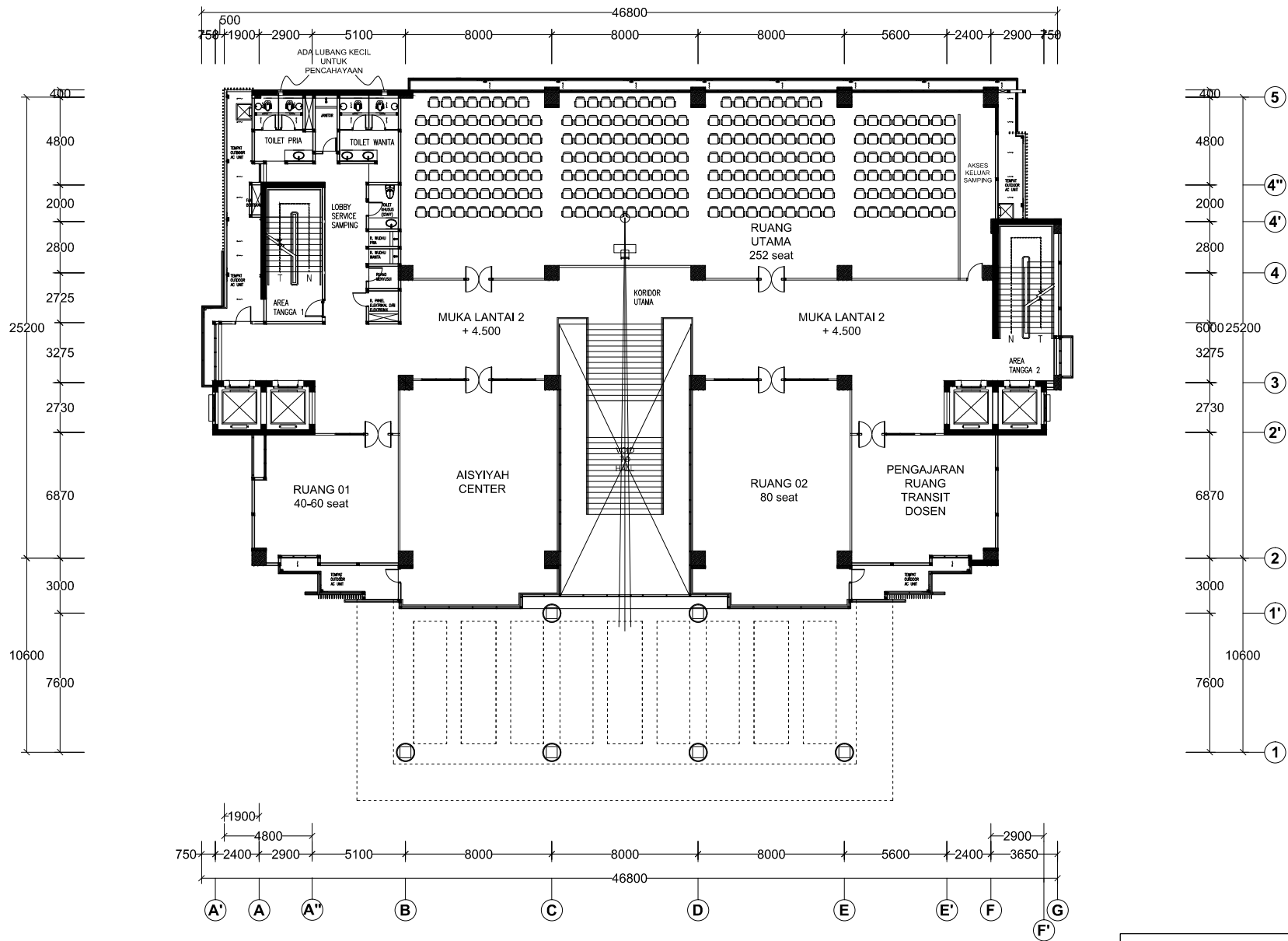
DENAH GAMBAR ARSITEKTUR



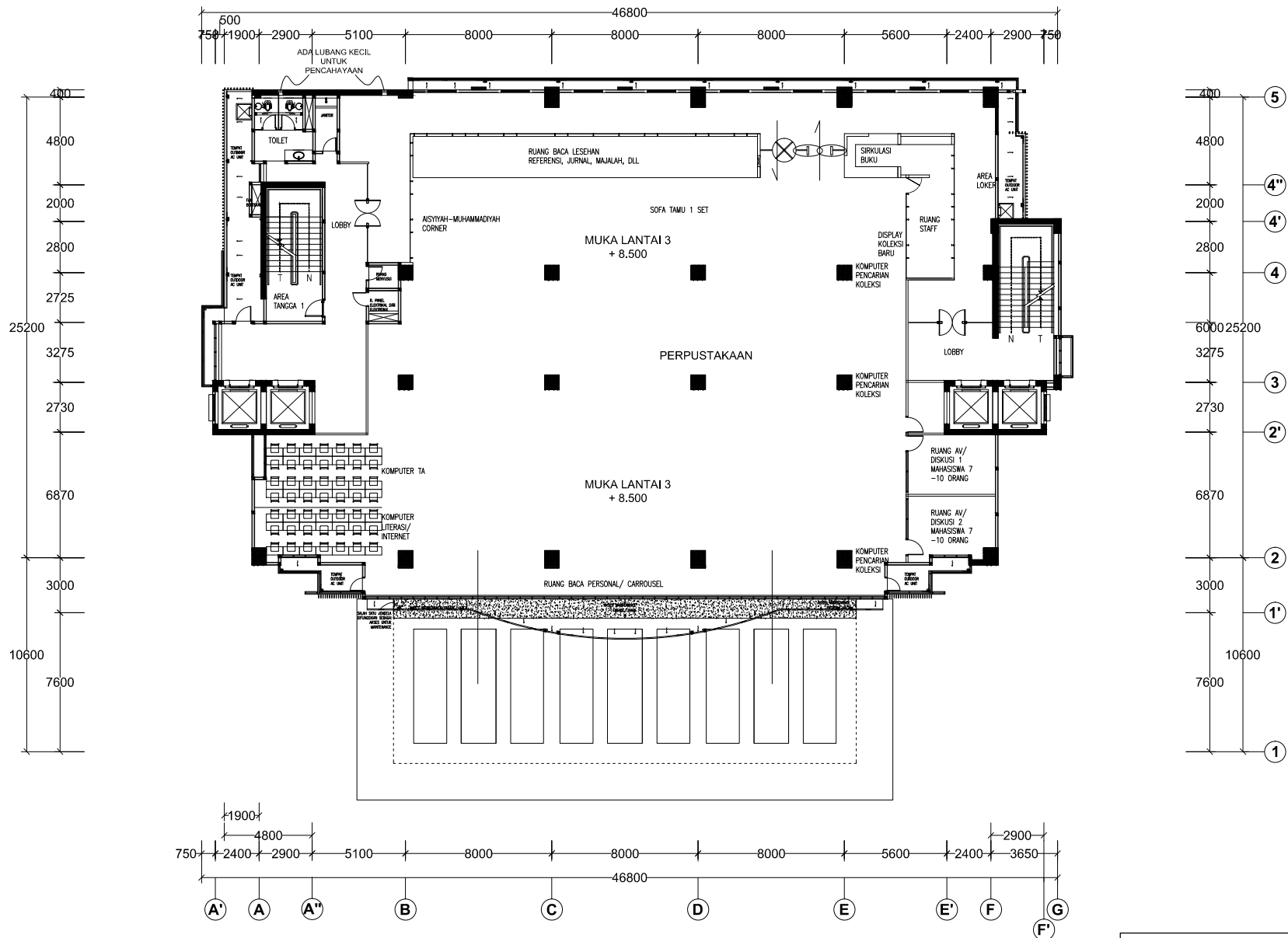
DENAH LANTAI SEMIBASEMENT



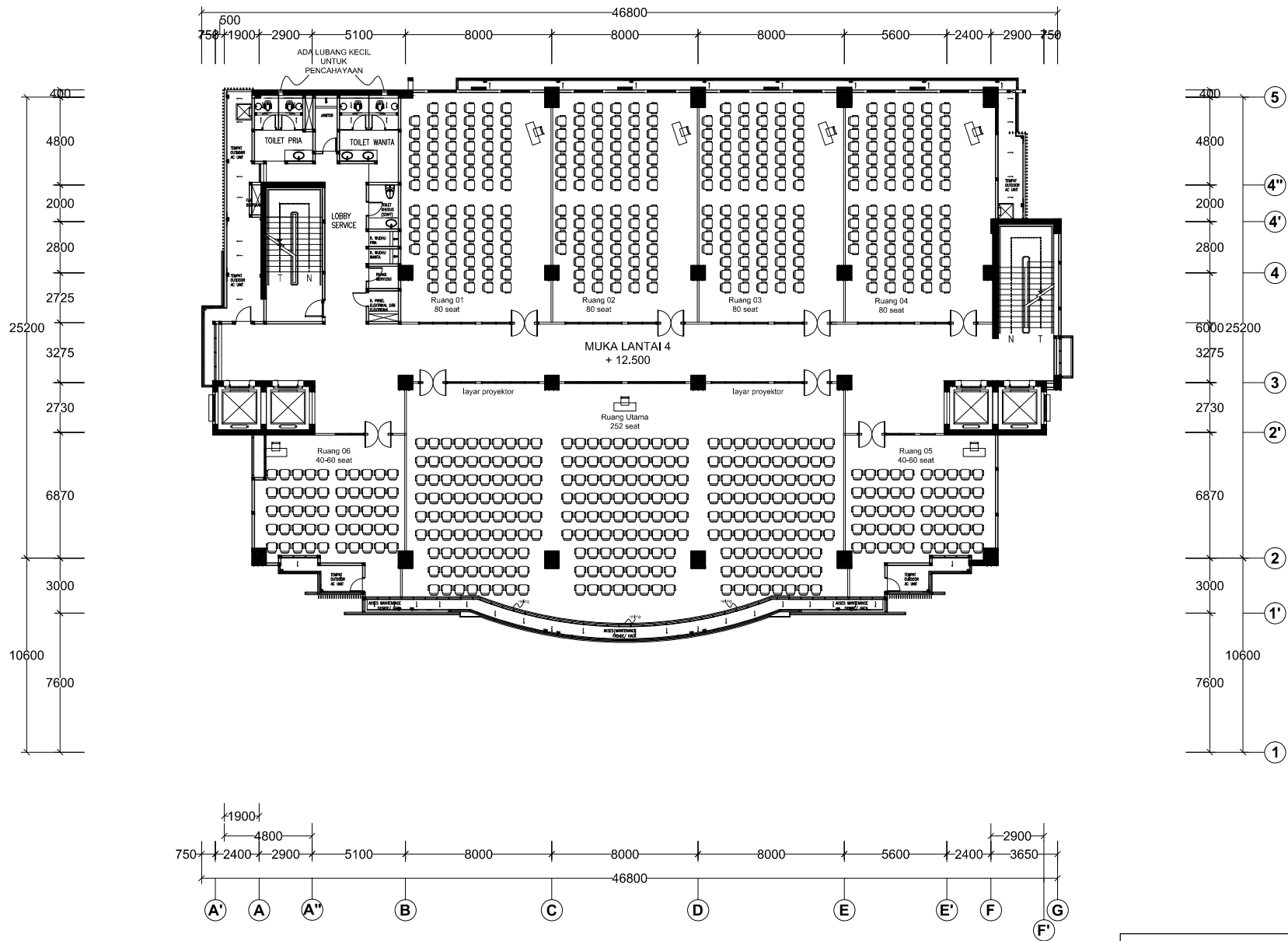
DENAH LANTAI 1



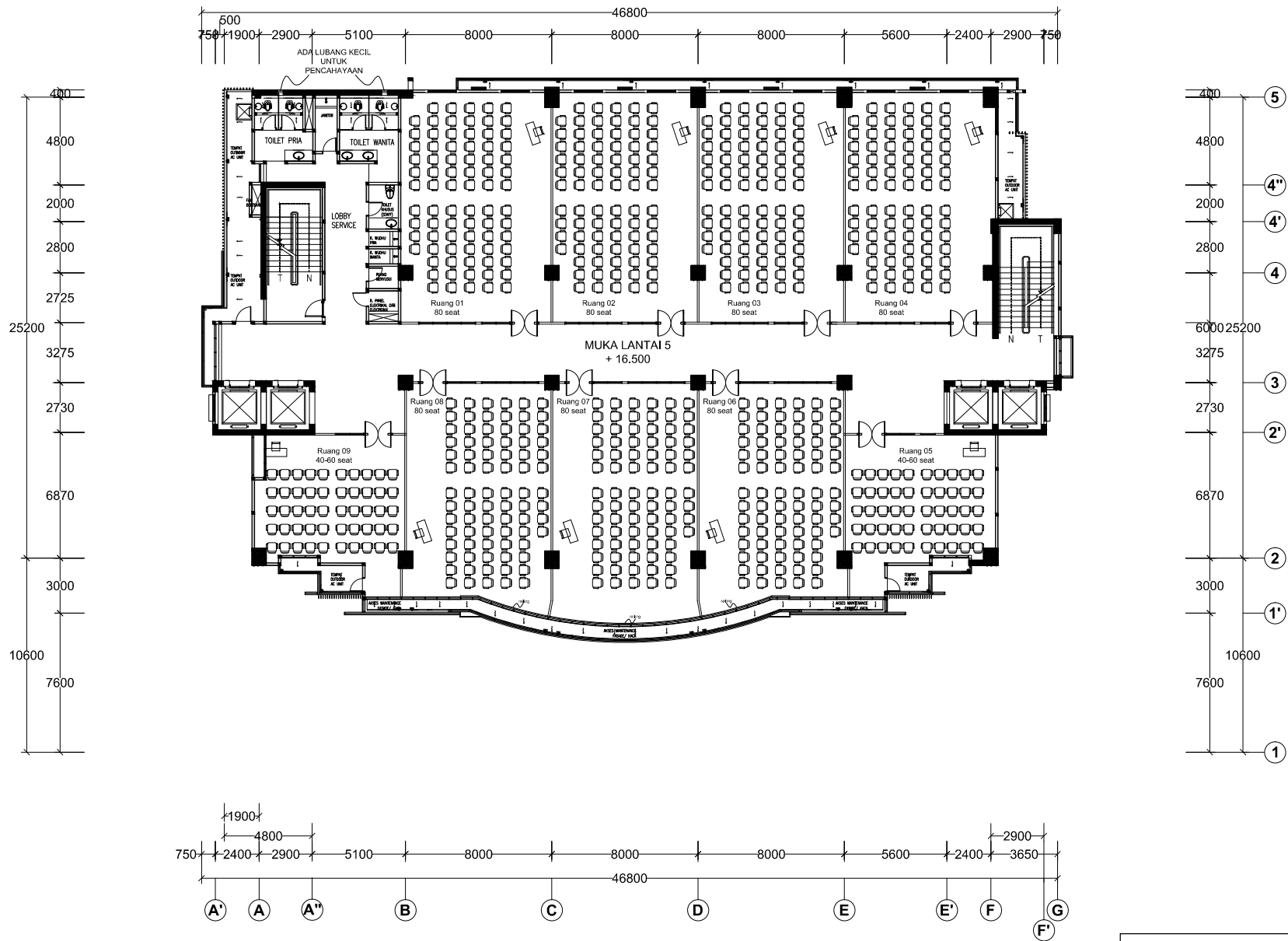
DENAH LANTAI 2



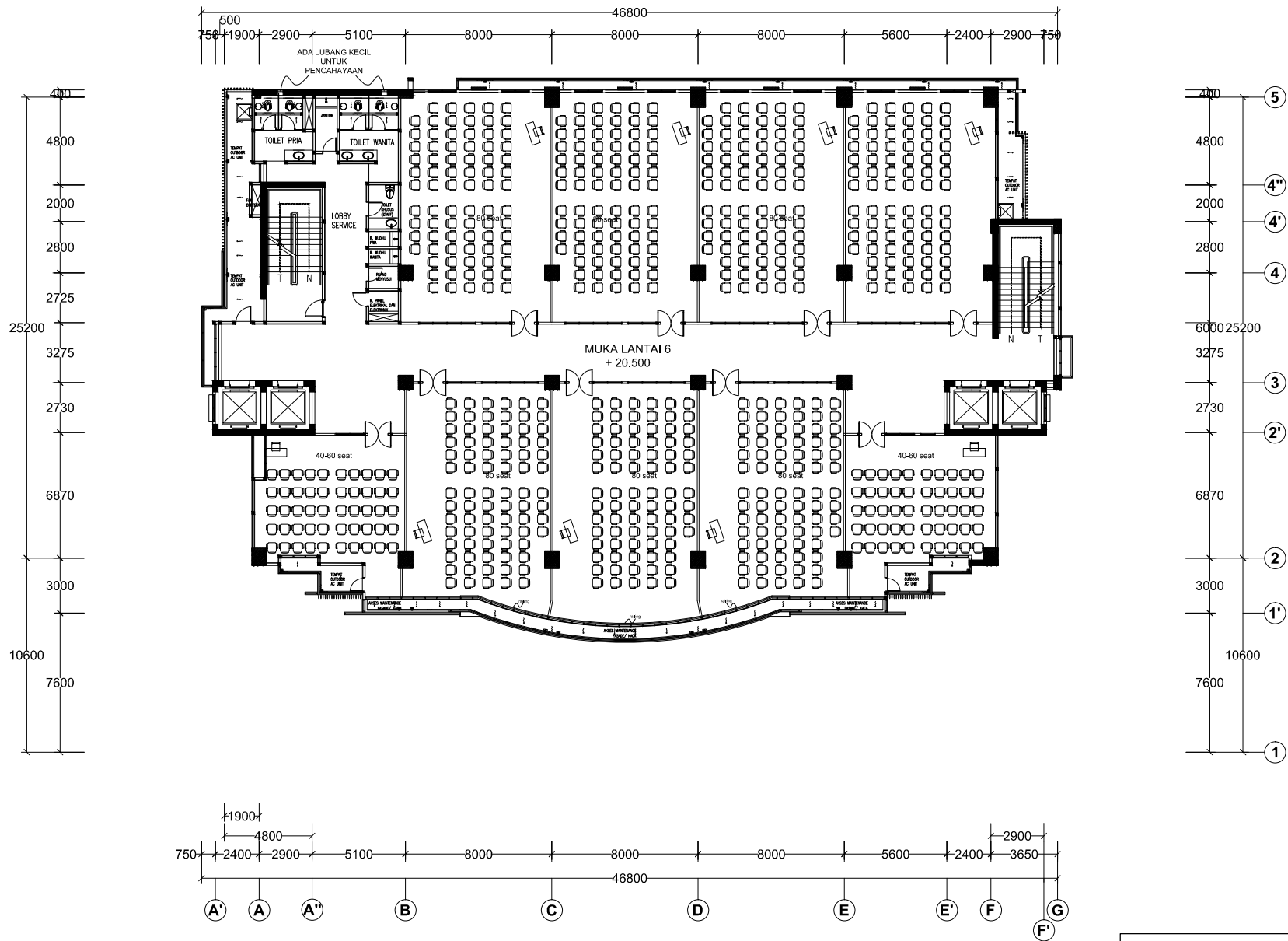
DENAH LANTAI 3



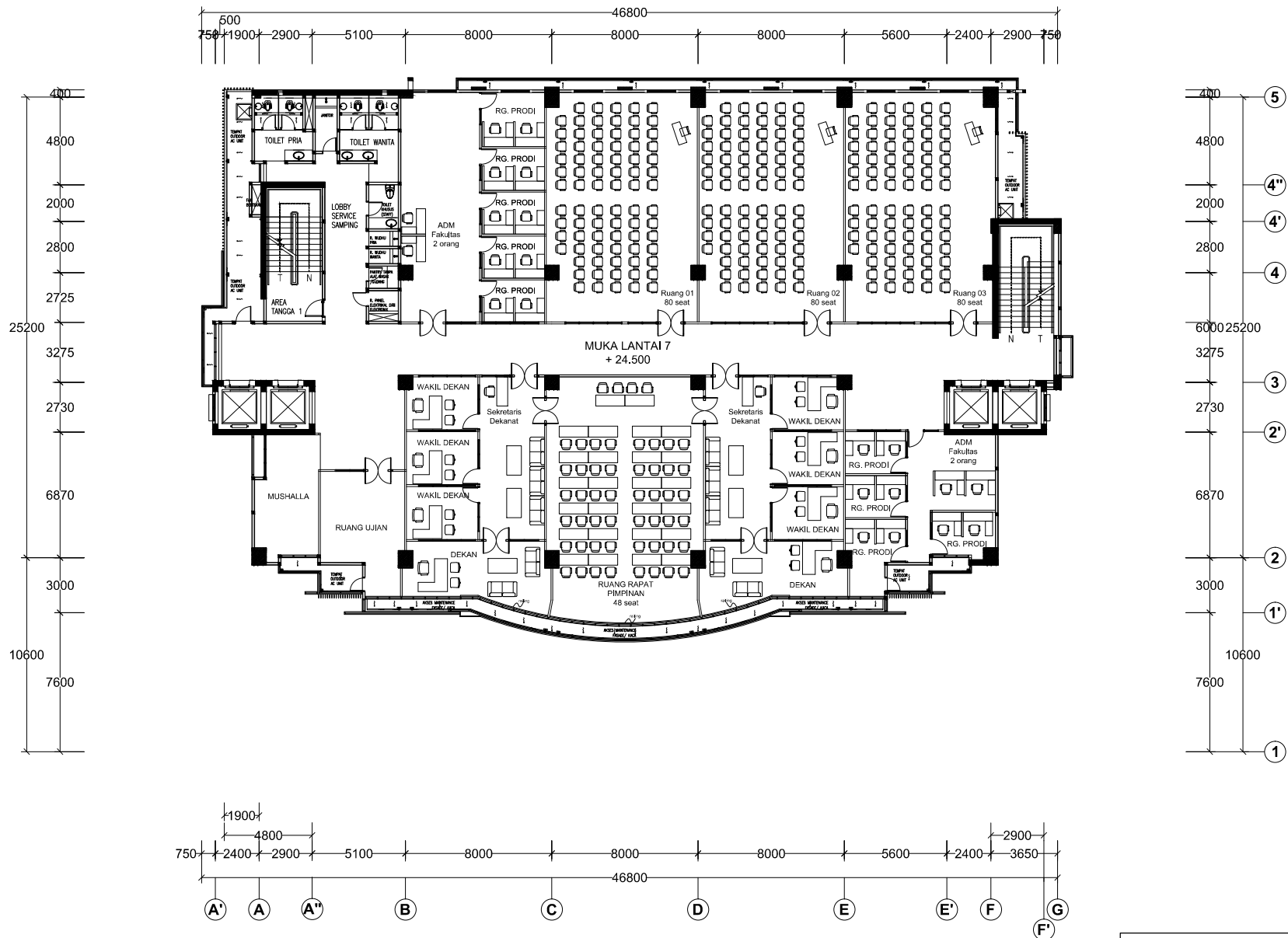
DENAH LANTAI 4



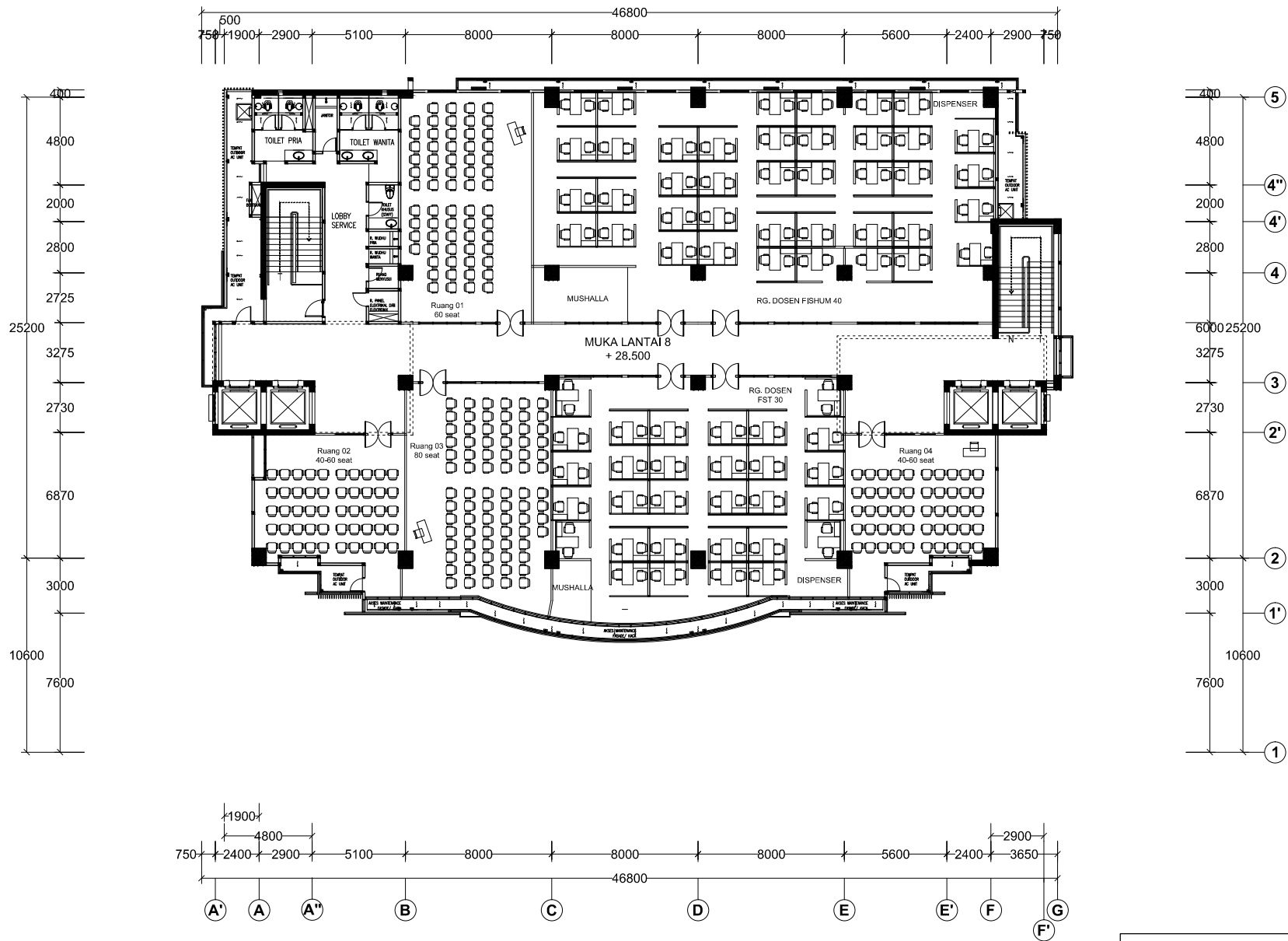
DENAH LANTAI 5



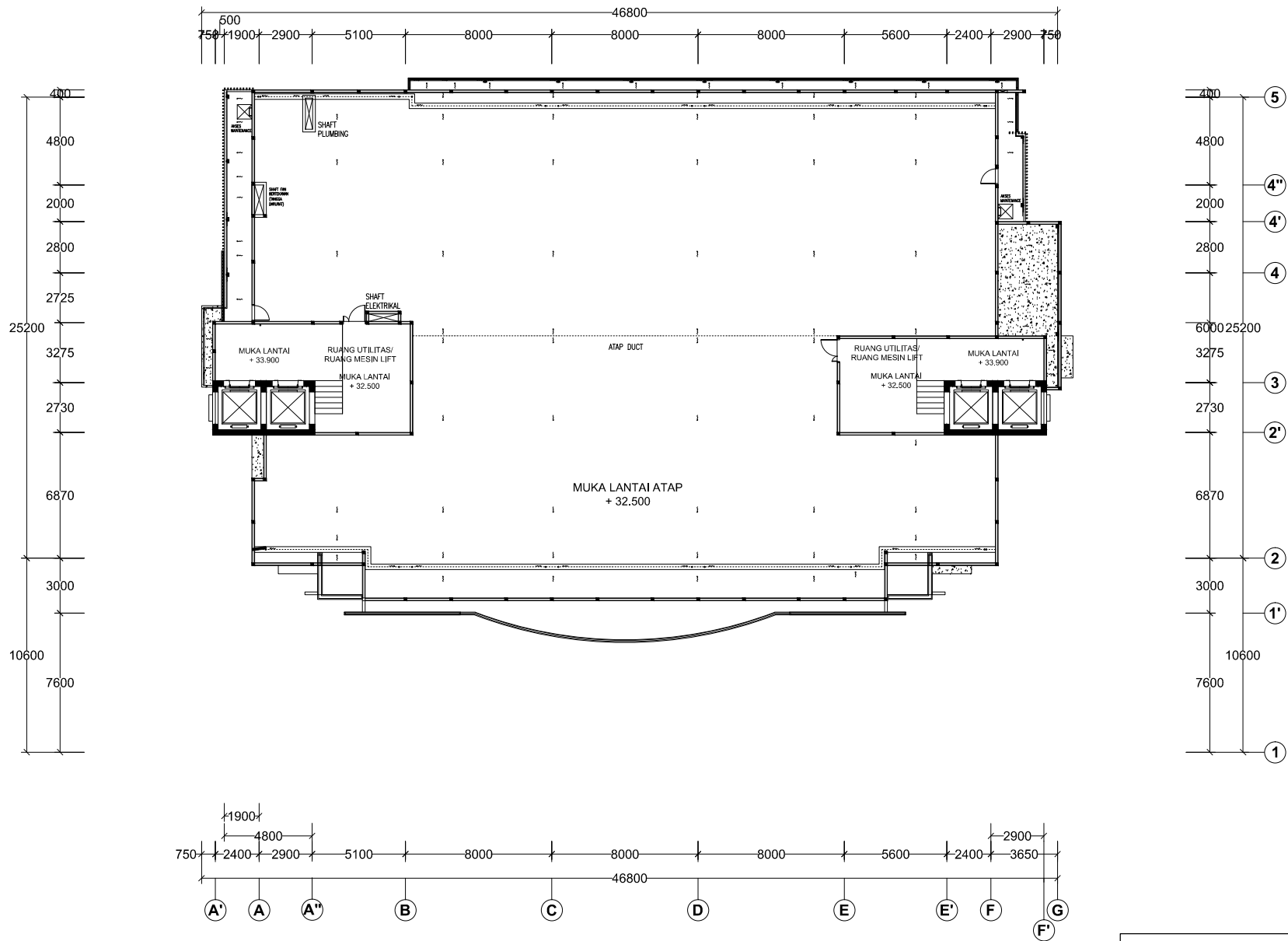
DENAH LANTAI 6



DENAH LANTAI 7

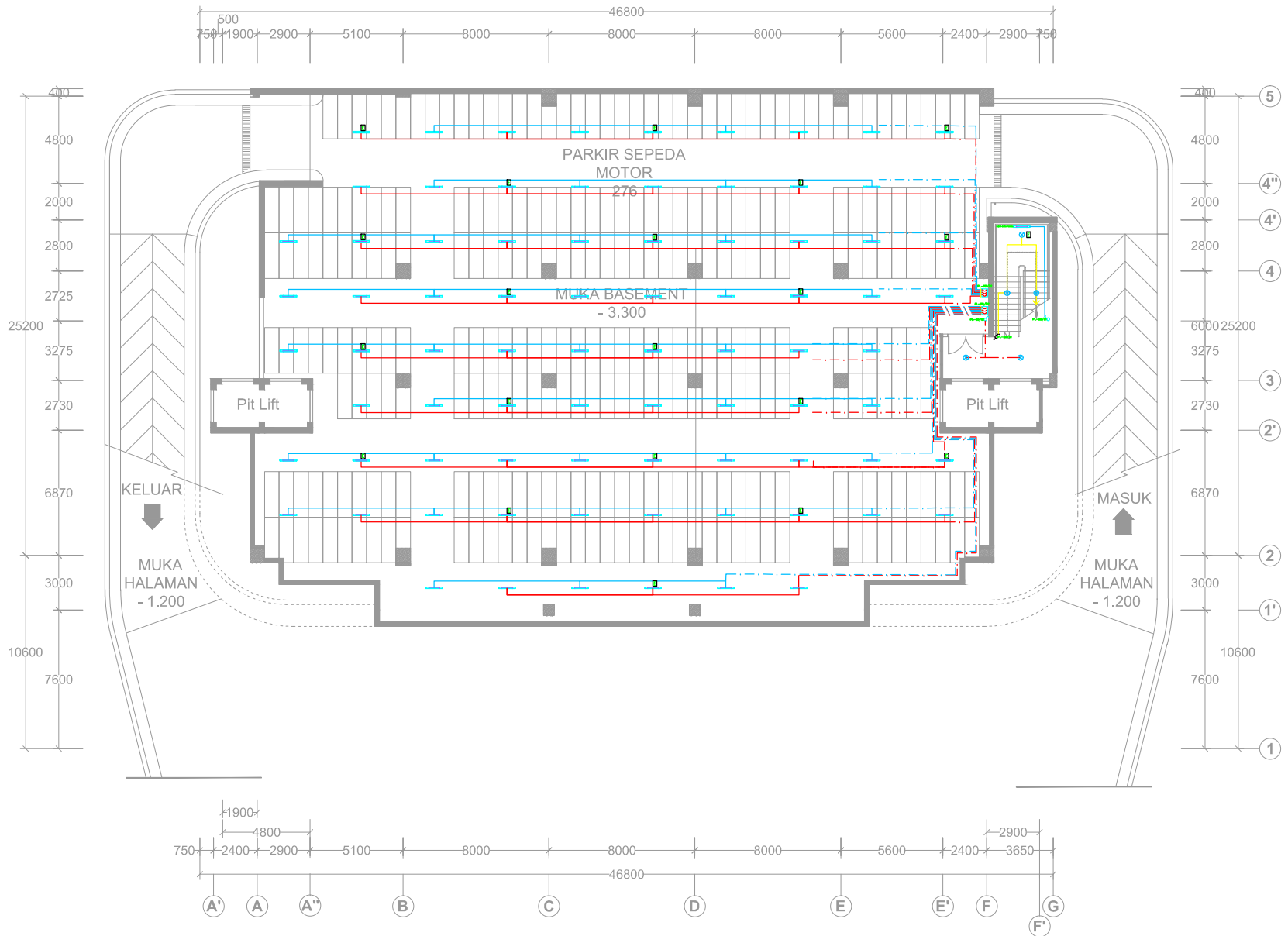


DENAH LANTAI 8



DENAH LANTAI ATAP

GAMBAR RENCANA PENERANGAN

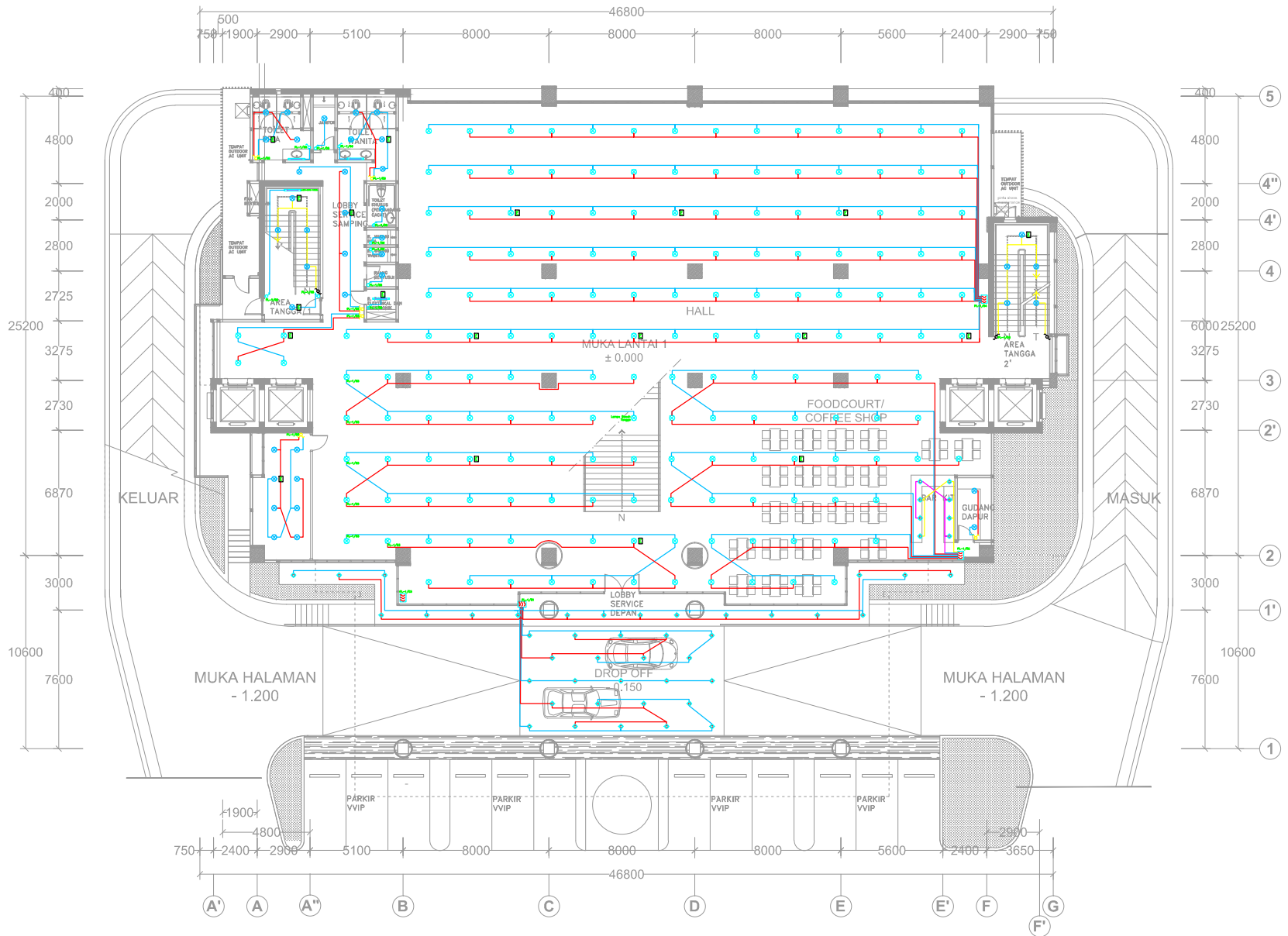


SIMBOL & KETERANGAN	
	LED Lampu HIGH COOL DAYLIGHT
	LED Lampu HIGH COOL DAYLIGHT + BATTERY
	TL LED 5W (AMPELUR BALK OHAL / BAMBIL)
	TL LED 5W (AMPELUR BALK OHAL / BAMBIL) + BATTERY
	SHALUK TUNGGAL
	SHALUK HOVEL TUNGGAL
	SHALUK GANG/GRID SWITCH

PLX/x
 NO. GRUP (ACD) di PANEL
 MAIN PANEL

LEGENDA:
 - INSTALASI PERSEKIPAN MEGARAHAN PANEL MIN 3x2,5mm² DALAM
 HIGH IMPACT CONCRETE 80mm
 - LAMPU EMERGENCY HARUS DIPASANG SEMENTARA LAMPU NORMAL

DENAH LANTAI SEMIBASEMENT

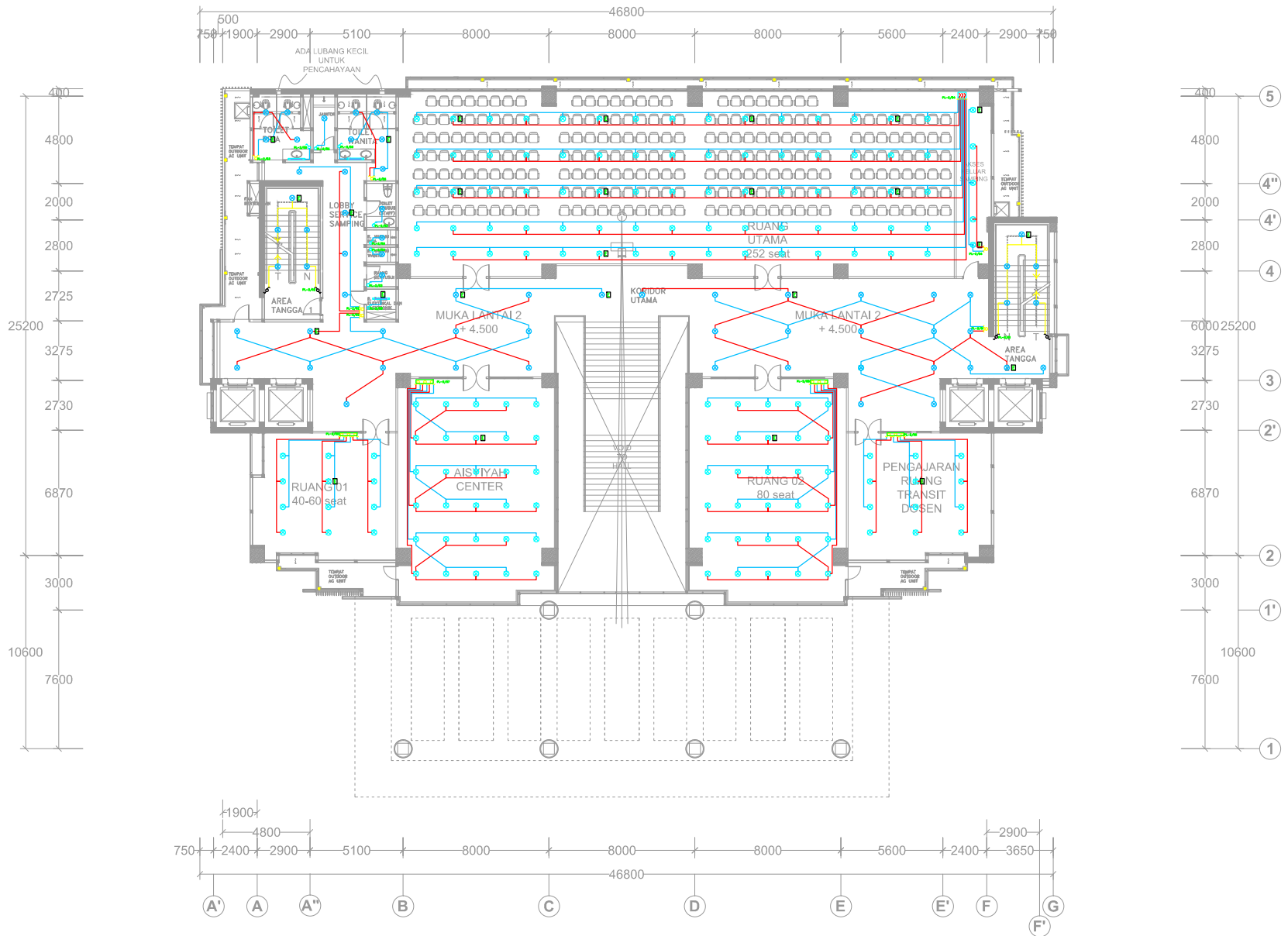


SIMBOL & KETERANGAN	
⬇	DOWNLIGHT LED SPOT 5W/5W
⊙	LED Lampu 10W COOL DAYLIGHT
⊙	LED Lampu 10W COOL DAYLIGHT + BATTERY
⊙	LED Lampu 14W COOL DAYLIGHT
⊙	LED Lampu 14W COOL DAYLIGHT + BATTERY
⬆	TL LED 5W (AMBATUR BALK OAH / BAMBIL)
⬆	SHALAR GANDA
⬆	SHALAR TUNGGAL
⬆	SHALAR HOVEL TUNGGAL
⬆	SHALAR GANDA/NOV SWITCH

FLX/x
 NO. GRUP (ACD) di PANEL
 MAIN PANEL

CATATAN :
 - INSTALASI PERSEDIAAN KEBERSIHAN PANEL MIN 3x2,5mm DALAM 1000 BIKUAT COLORED 40mm
 - LAMPU EMERGENCY HARUS DAPAT DIPANGKON SEBAGAI LAMPU NORMAL

DENAH LANTAI 1

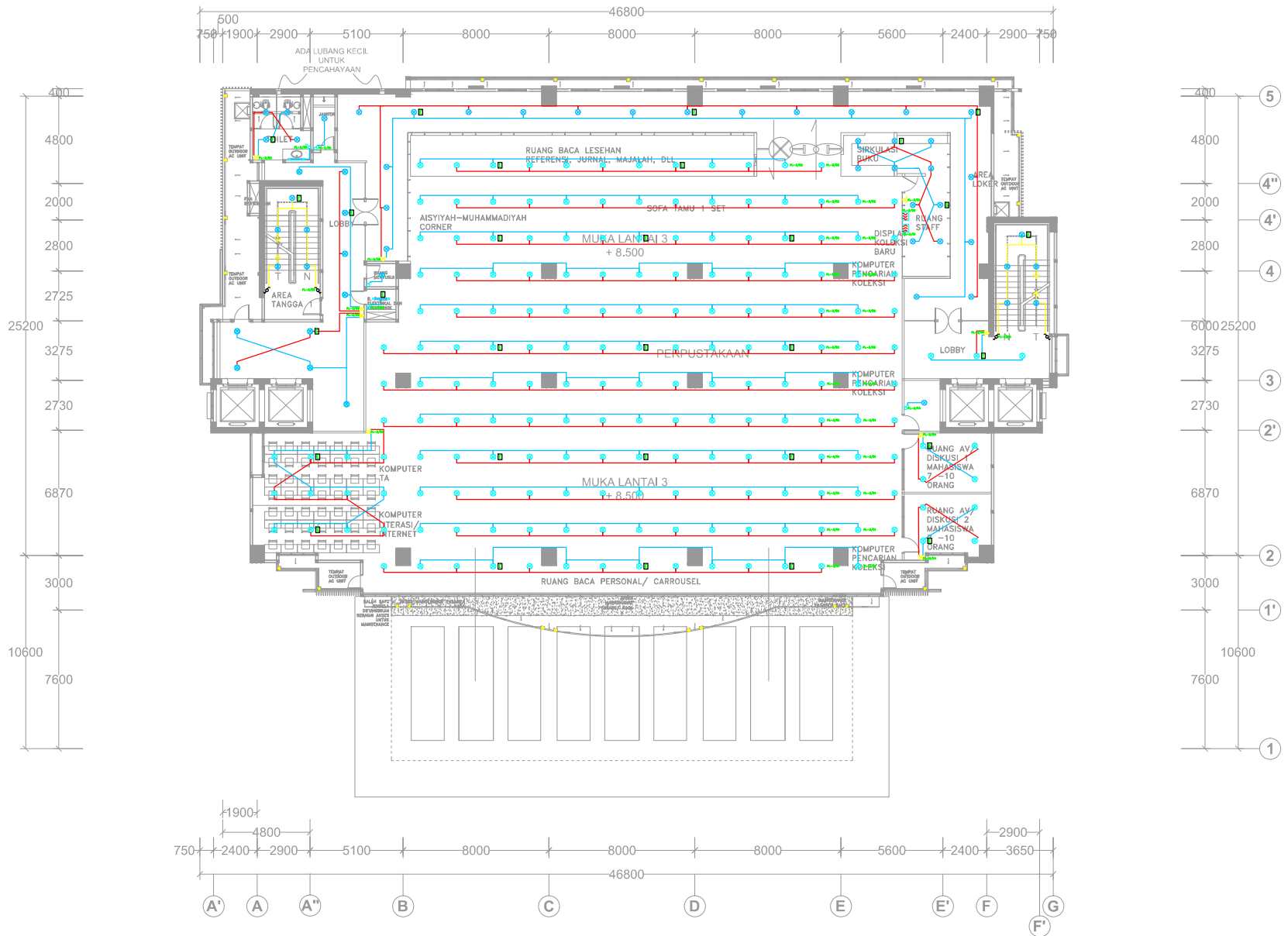


SIMBOL & KETERANGAN	
⊕	DOWNLIGHT LED SPOT 5W/5W
⊙	LED Lampu 10W COOL DAYLIGHT
⊙	LED Lampu 10W COOL DAYLIGHT + BATTERY
⊙	LED Lampu 14W COOL DAYLIGHT + BATTERY
⊙	LED Lampu 14W COOL DAYLIGHT
⊙	TL LED 5W (AMBIKUR BALK OAH / BAMBIL)
⊙	SHALAR GANDA
⊙	SHALAR TUNGGAL
⊙	SHALAR HOVEL TUNGGAL
⊙	SHALAR GANDA/NOV SWITCH

PLX/x
 NO. GRUP (ACD) di PANEL
 MAIN PANEL

LEGENDA :
 - RENCANA PENYUSUNAN PENYUSUNAN PANEL MIN 3x2,5mm2 DALAM
 1000 mmx1000 mm (1000mm)
 - LAMPU EMERGENCY HARUS DAPAT DIPUNCAKIN SEMBILAN LAMPU NORMAL

DENAH LANTAI 2



SIMBOL & KETERANGAN	
⊕	DOWNLIGHT LED SPOT 5W/8W
⊙	LED Lampu 10W COOL DAYLIGHT
⊙	LED Lampu 10W COOL DAYLIGHT + BATTERY
⊙	LED Lampu 14W COOL DAYLIGHT + BATTERY
⊙	LED Lampu 14W COOL DAYLIGHT
⊙	TL LED 5W (AMPUTAR BALK OHAL / BAWU)
⊙	SHALUK CANVA
⊙	SHALUK TUNGGAL
⊙	SHALUK HOVEL TUNGGAL
⊙	SHALUK GANG/AVD SWITCH

PLX/x
 NO. GRUP (AGK) di PANEL
 PANEL PANEL

LEGENDA:
 - INSTALASI PERSEKUTUAN BERBAGAIMANAN PANEL MIN 3x2,5mm2 DALAM
 1000 MMx1000 MM (1000x1000)
 - LAMPU EMERGENCY HARUS DAPAT DIPANGGIL SEBAGAI LAMPU NORMAL

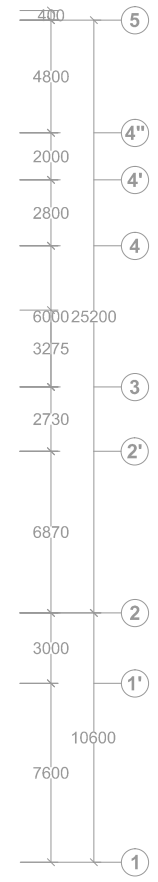
DENAH LANTAI 3



SIMBOL & KETERANGAN	
	DOWNLIGHT LED SPOT 5W/8W
	LED Lampu 14W COOL DAYLIGHT
	LED Lampu 14W COOL DAYLIGHT + BATTERY
	LED Lampu 14W COOL DAYLIGHT + BATTERY
	LED Lampu 14W COOL DAYLIGHT + BATTERY
	TL LED 5W (AMBIENT BALK OVAL / BUNDU)
	SHALUK GANDA
	SHALUK TUNGGAL
	SHALUK HOVEL TUNGGAL
	SHALUK GANDA/NOV SWITCH

FLx/x
 NO. GRUP (A-D) of PANEL
 PANEL

CATATAN :
 - INSTALASI PERSEDIAAN KEBERSIHAN PANEL MIN 3x2,5mm DALAM 1000 BENTUK CIKUT 125mm
 - LAMPU EMERGENCY HARUS DAPAT DIPUNCAK SEBAGAI LAMPU NORMAL



DENAH LANTAI 4



SIMBOL & KETERANGAN	
	DOWNLIGHT LED SPOT 8W/8W
	LED LAMPAU 14W COOL DAYLIGHT
	LED LAMPAU 14W COOL DAYLIGHT + BATTERY
	LED LAMPAU 14W COOL DAYLIGHT + BATTERY
	LED LAMPAU 14W COOL DAYLIGHT + BATTERY
	TL LED 8W (AMBATUR BALKO OHAL / BAMBIL)
	SAKLAR GANDA
	SAKLAR TUNGGAL
	SAKLAR HOTEL TUNGGAL
	SAKLAR GANG/OFF SWITCH

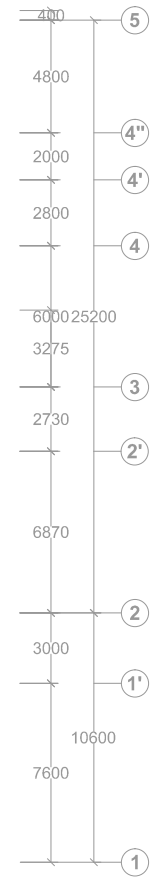
PLX/x

 NO. GRUP (A-G) of PANEL MAIN PANEL

LEGENDA :

 INSTALASI PERLENGKAPAN PERANGKATAN PANEL 3x2.5mm DALAM RANGKAI IMPAKT CIRCUIT (20mm)

 LAMPU EMERGENCY HARUS DAPAT BERFUNGSI SEBAGAI LAMPU NORMAL



DENAH LANTAI 5



SIMBOL & KETERANGAN	
	DOWNLIGHT LED SPOT 50/50
	LED Lampu 10W COOL DAYLIGHT
	LED Lampu 10W COOL DAYLIGHT + BATTERY
	LED Lampu 14W COOL DAYLIGHT + BATTERY
	LED Lampu 14W COOL DAYLIGHT + BATTERY
	T.L. LED 5W (AMBIKUR BALKON / BAMBUI)
	SHALAR GANDA
	SHALAR TUNGGAL
	SHALAR HOTEL TUNGGAL
	SHALAR GANDA/OTID SWITCH

PLX/x
 NO. GRUP (AGK) di PANEL
 PANEL

CATATAN :
 - INSTALASI PERENCANAAN PENYANGKAPAN PANEL MIN 3x2,5mm DALAM
 100% IMPAKT CRASH 100mm
 - LAMPU EMERGENCY HARUS DAPAT DIPUNCAKIN SEBAGAI LAMPU NORMAL

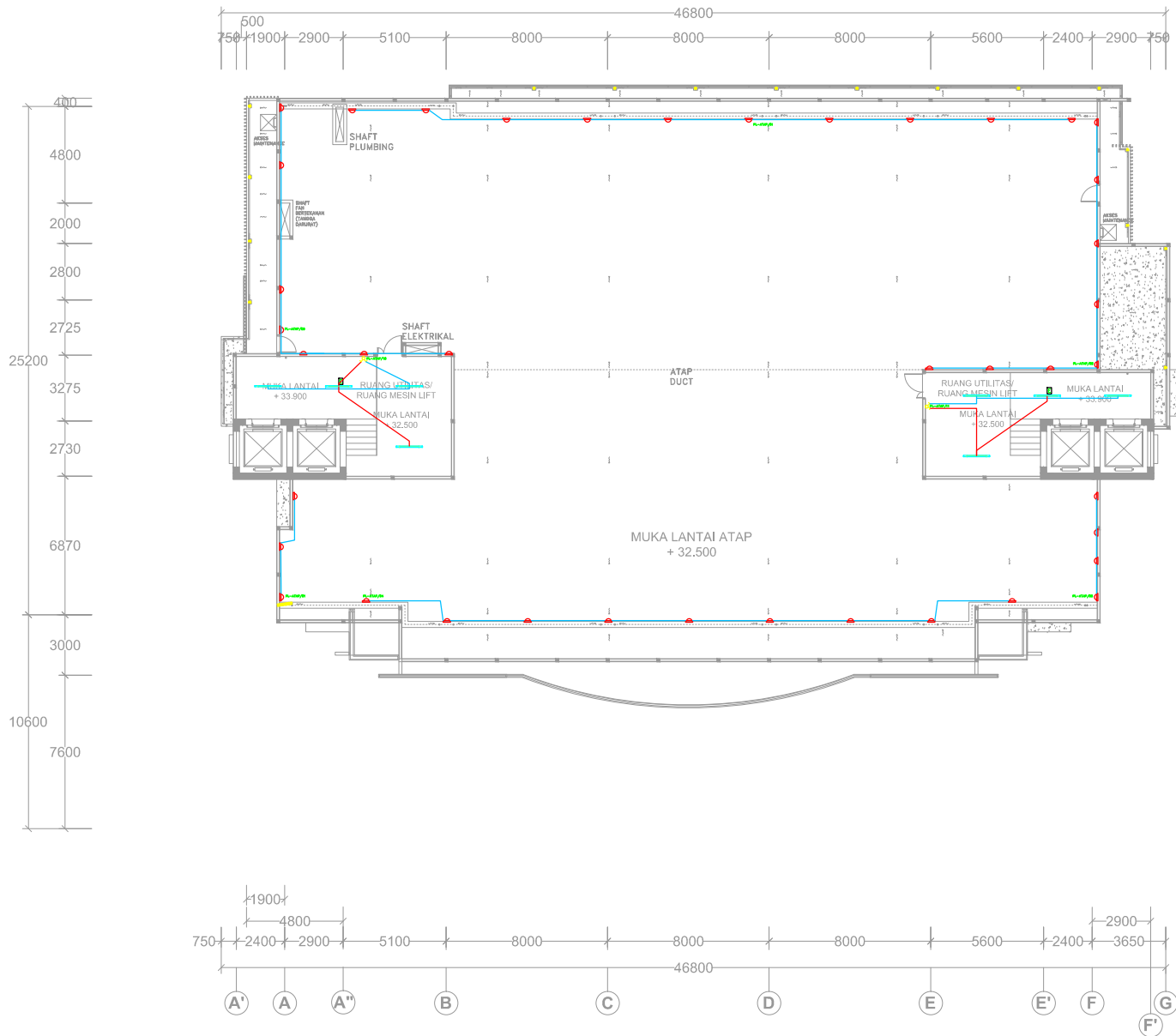
DENAH LANTAI 6



SIMBOL & KETERANGAN	
●	DOWNLIGHT LED SPOT 5W/8W
○	LED Lampu 10W COOL DAYLIGHT
□	LED Lampu 10W COOL DAYLIGHT + BATTERY
○	LED Lampu 14W COOL DAYLIGHT
□	LED Lampu 14W COOL DAYLIGHT + BATTERY
—	TL LED 5W (AMBATUR BALK OAH / BAMBIL)
○	SHALUK GANDA
○	SHALUK TUNGGAL
○	SHALUK HOTEL TUNGGAL
○	SHALUK GANDA/GRID SWITCH

PLX/x
 NO. GRUP (A01) di PANEL
 MAIN PANEL
CATATAN :
 - INSTALASI PERSEDIAAN KEDARIFANAN PANEL MIN 3x2,5mm2 DALAM
 1000 MMx1000 CMx200mm
 - LAMPU EMERGENCY HARUS DAPAT DIPUNCAKIN SEMBILA LAMPU NORMAL

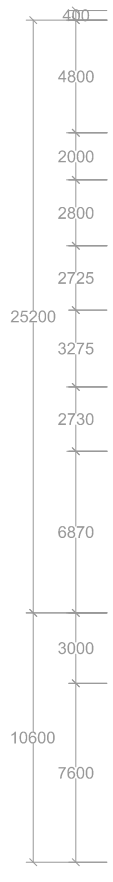
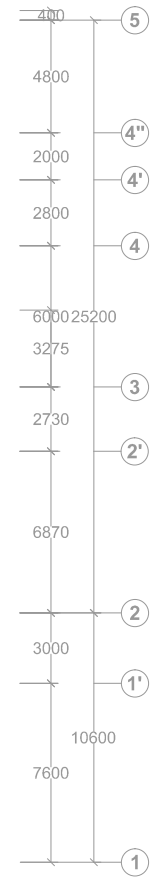
DENAH LANTAI 8



SIMBOL & KETERANGAN	
	ROUND LAMP
	LED 18W (MAMPUR BILA ON / SHAW)
	LED 18W (MAMPUR BILA ON / SHAW) + BATTERY
	LED Lampu 14W COOL DAYLIGHT
	LED Lampu 14W COOL DAYLIGHT + BATTERY
	SHALUK GANDA
	SHALUK TUNGKAL
	SHALUK HOVEL TUNGKAL
	SHALUK GANG/GRID SWITCH

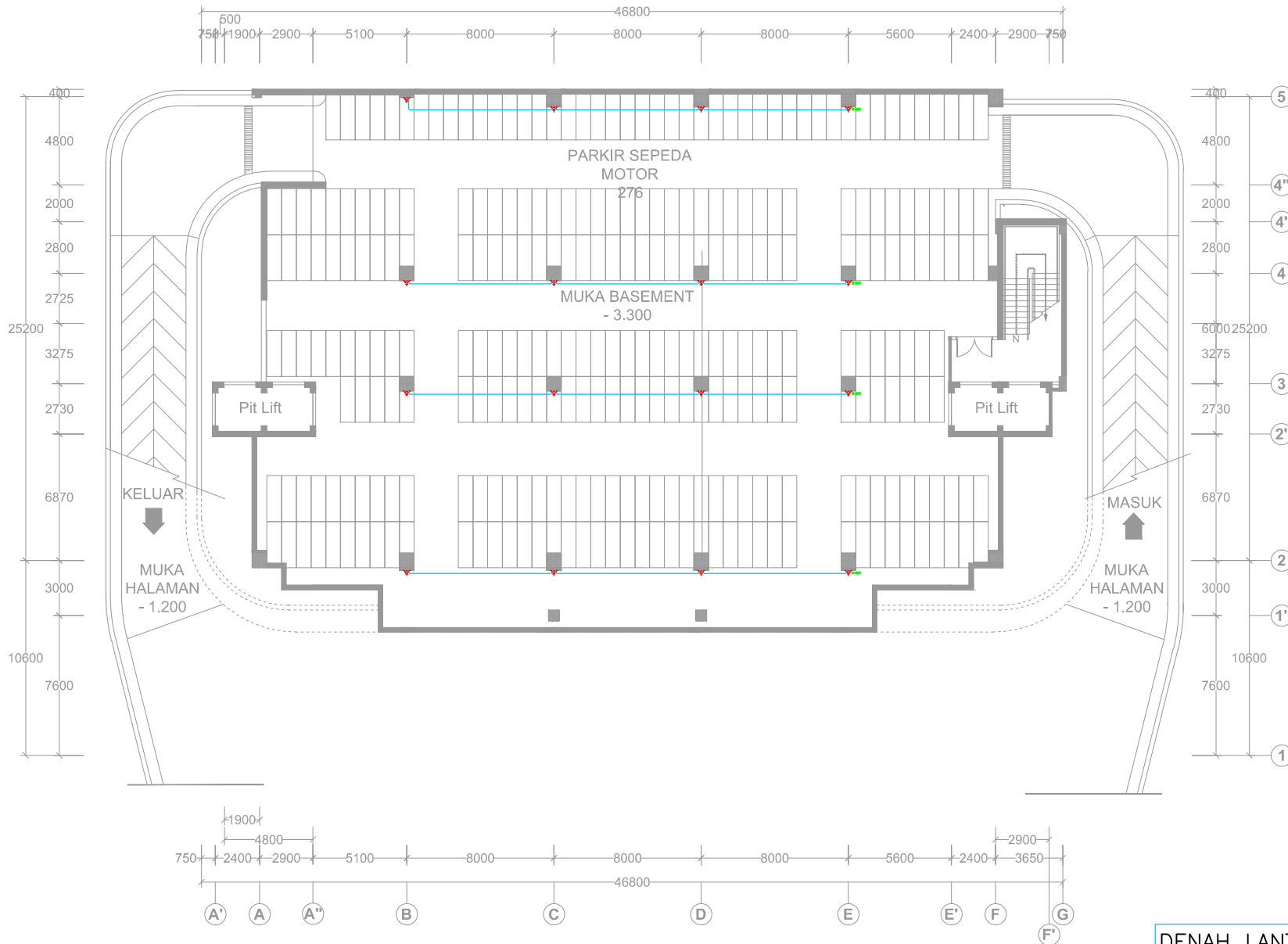
PL x/x
 NO. GRUP (AGK) DI PANEL
 PANEL PANEL

CATATAN :
 - INSTALASI PERSEDIAAN KEDARURATAN PANEL MIN 3x2,5mm2 DALAM
 1000 IMPACT CONDUIT (10mm)
 - LAMPU EMERGENCY HARUS DAPAT DIPANGKAS SEMBUNYI LAMPU NORMAL



DENAH LANTAI ATAP

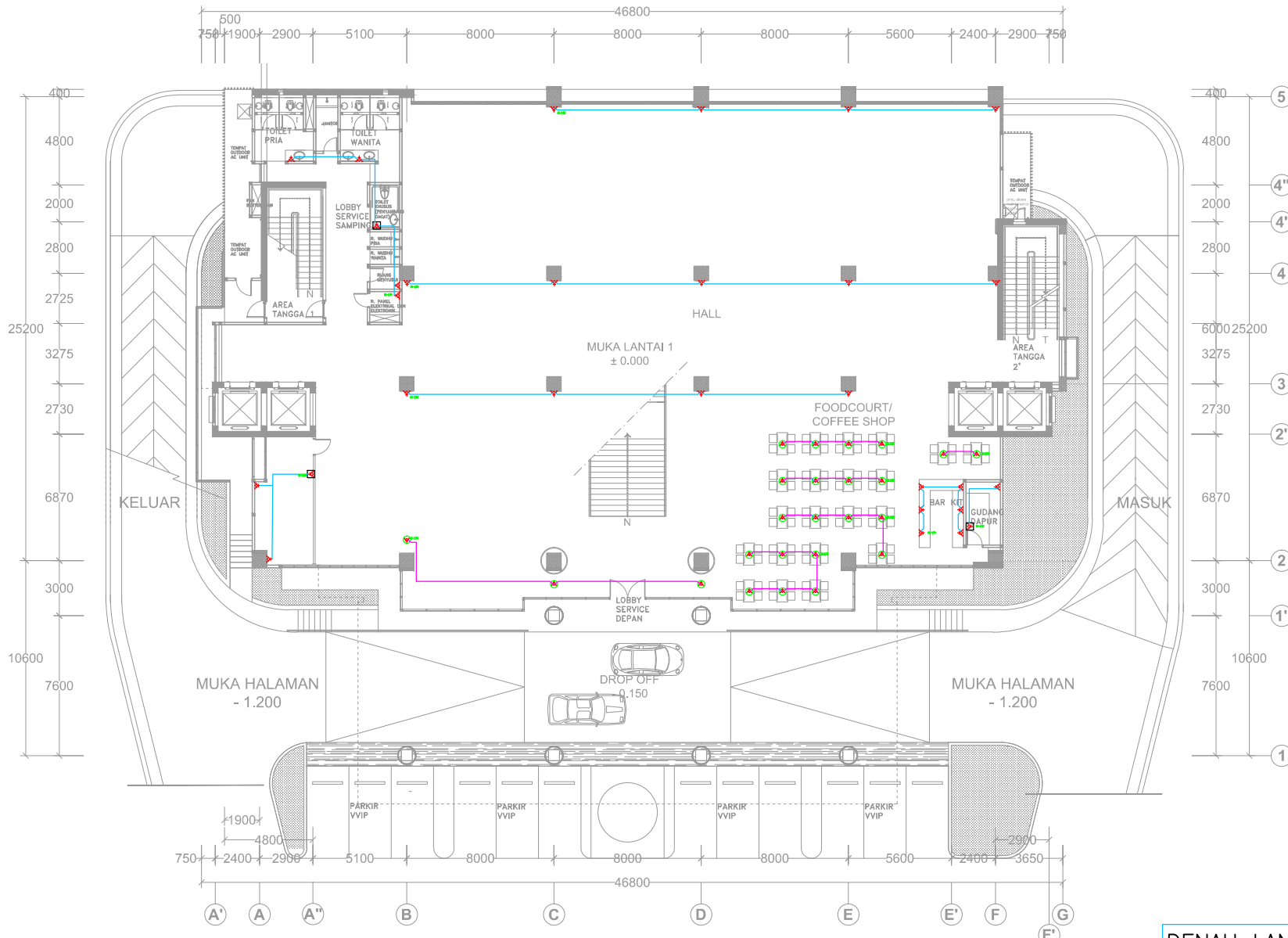
GAMBAR RENCANA KOTAK KONTAK



SIMBOL & KETERANGAN	
	KOTAK KONTRAK DINDING 1 FASA (T=40CM)
	KOTAK KONTRAK DINDING 1 FASA (T=150CM)
	KOTAK KONTRAK LANTAI 1 FASA
	KOTAK KONTRAK LGS PROYEKTOR 1 FASA

K/K/X
 NO. GRUP (NO) DI PANEL
 MAIN FASE
 INSTALASI KOTAK KONTRAK MEMERIKAKAN KABEL MIN 3x2,5mm²
 DALAM RANGKAIAN CONDUIT 40mm

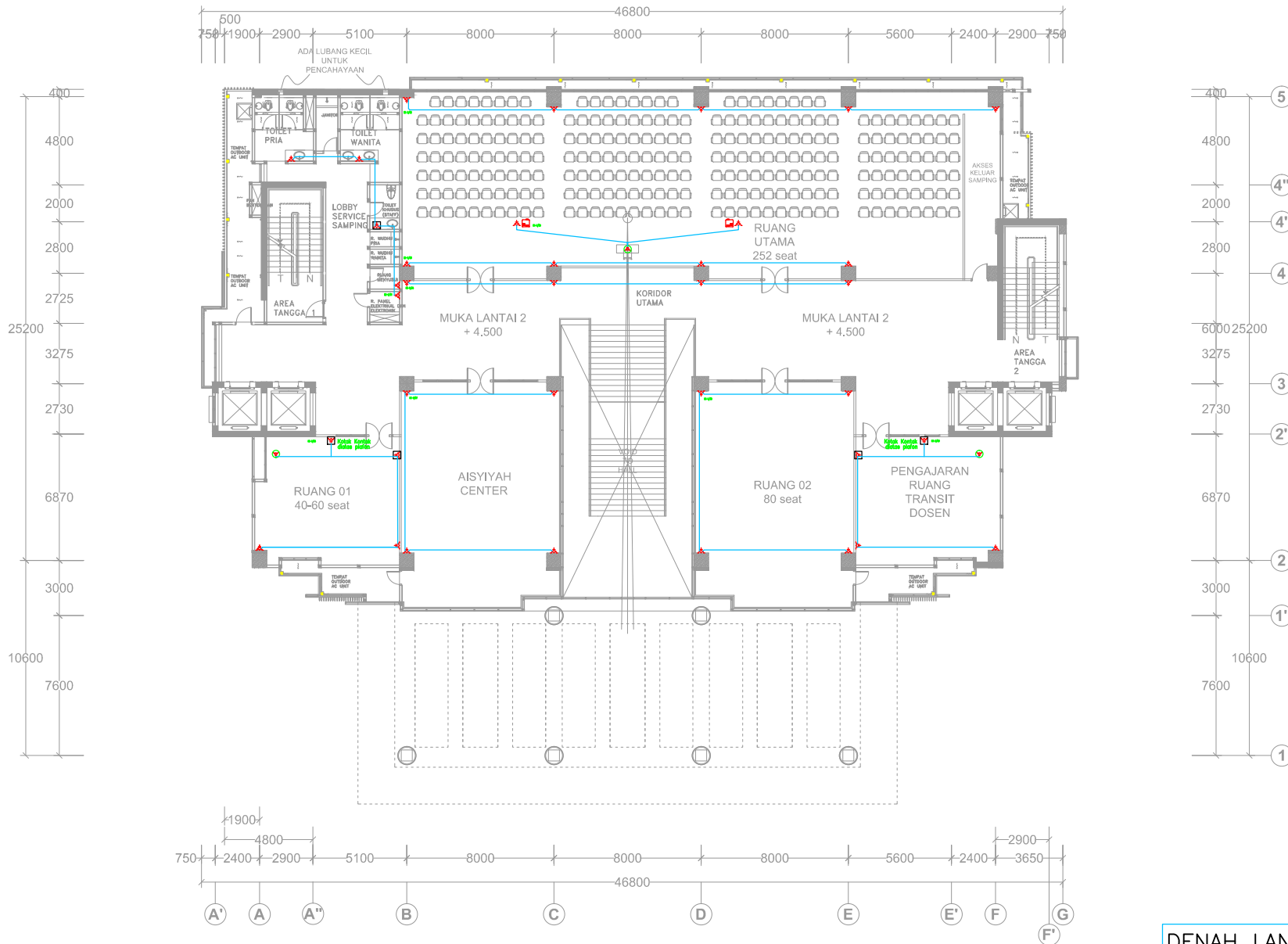
DENAH LANTAI SEMIBASEMENT



SIMBOL & KETERANGAN	
	KOTAK KONTRAK DINDING 1 FASA (T=100CM)
	KOTAK KONTRAK DINDING 1 FASA (T=150CM)
	KOTAK KONTRAK LANTAI 1 FASA
	KOTAK KONTRAK LCD PROJECTOR 1 FASA

K/C/X / X
 NO. GRUP (AC) di PANEL
 MAIN FASE
 INSTALASI KOTAK KONTRAK MEMERIKSA KABEL MIN 3x2.5mm²
 DALAM RANGKAI CONDUIT 40mm

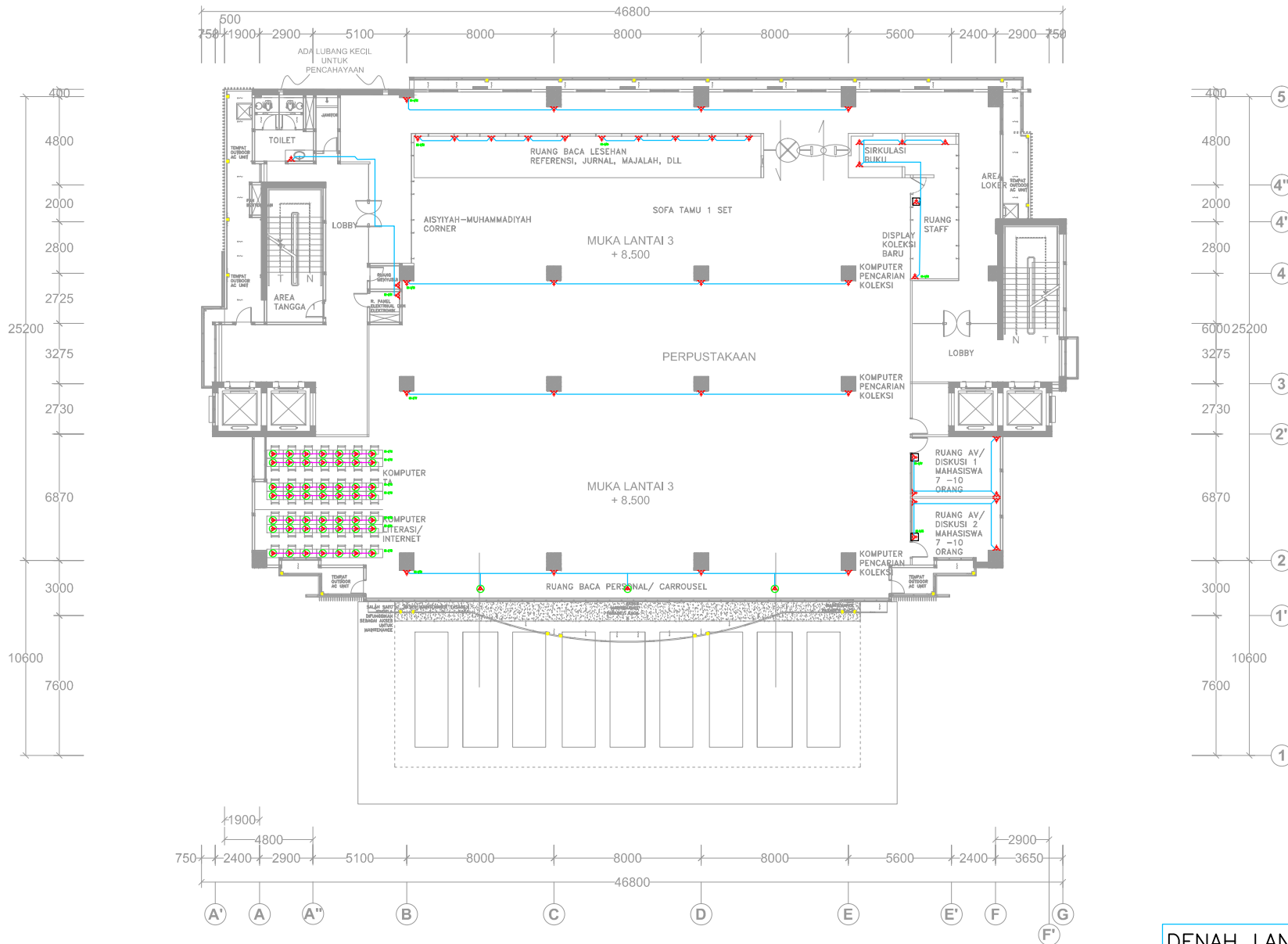
DENAH LANTAI 1



SIMBOL & KETERANGAN	
	KOTAK KONTRAK DINDING 1 FASA (T=100CM)
	KOTAK KONTRAK DINDING 1 FASA (T=150CM)
	KOTAK KONTRAK LANTAI 1 FASA
	KOTAK KONTRAK LCD PROJECTOR 1 FASA

KKX/X
 NO. GRUP (AC) di PANEL
 MAIN FASE
 INSTALASI KOTAK KONTRAK MEMERIKSAKAN KABEL MIN 3x2,5mm²
 DALAM RANGKAIAN CONDUIT 40mm

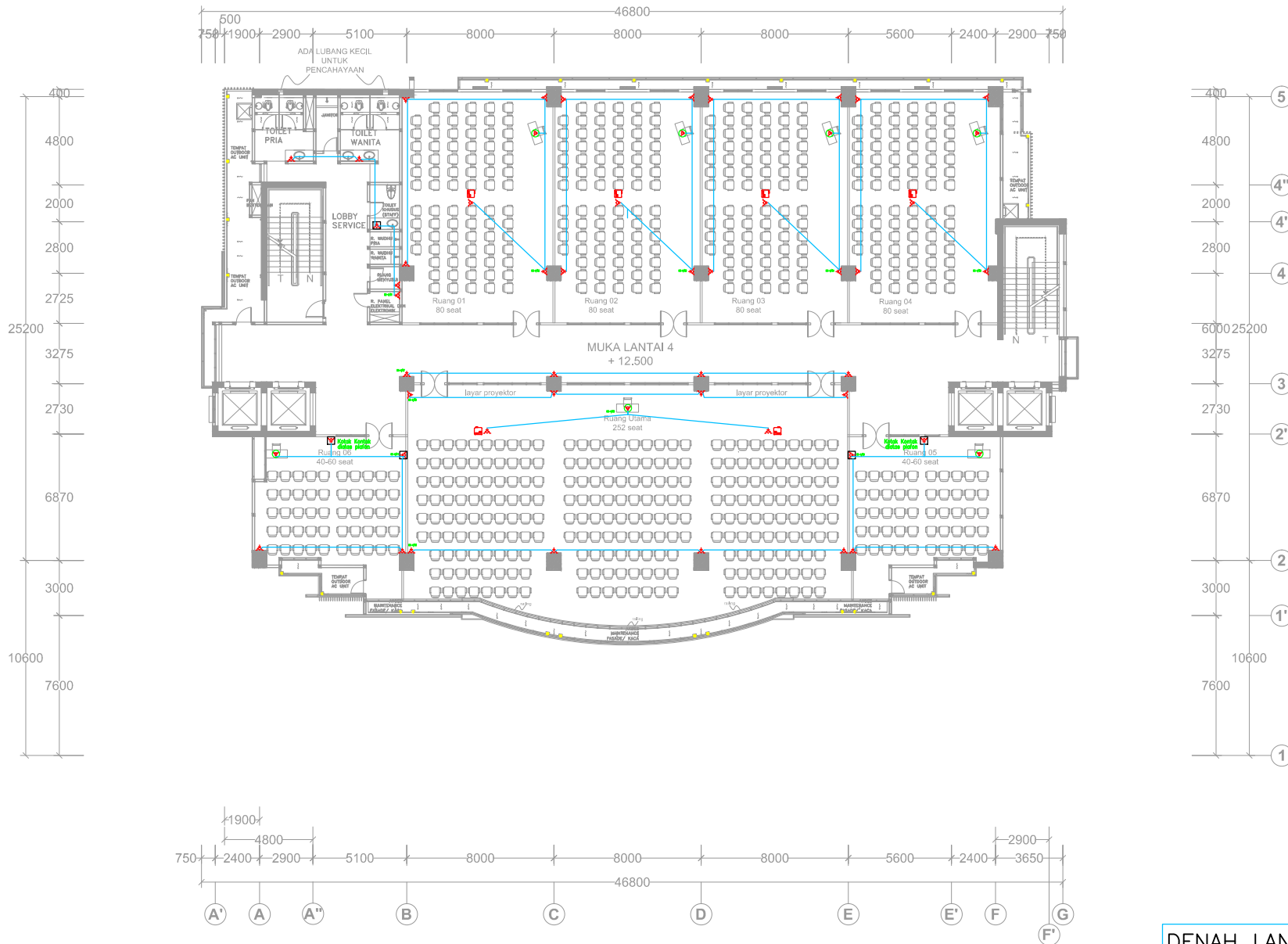
DENAH LANTAI 2



SIMBOL & KETERANGAN	
	KOTAK KONTRAK DINDING 1 FASA (T=40CM)
	KOTAK KONTRAK DINDING 1 FASA (T=150CM)
	KOTAK KONTRAK LANTAI 1 FASA
	KOTAK KONTRAK LCD PROJECTOR 1 FASA

K/C/X/X
 NO. GRUP (AC) di PANEL
 MAIN PANEL
 INSTALASI HARUS MENYERTAKAN PANEL MIN 3x2.5mm²
 DALAM RANGKAIAN CONDUIT Ø30mm

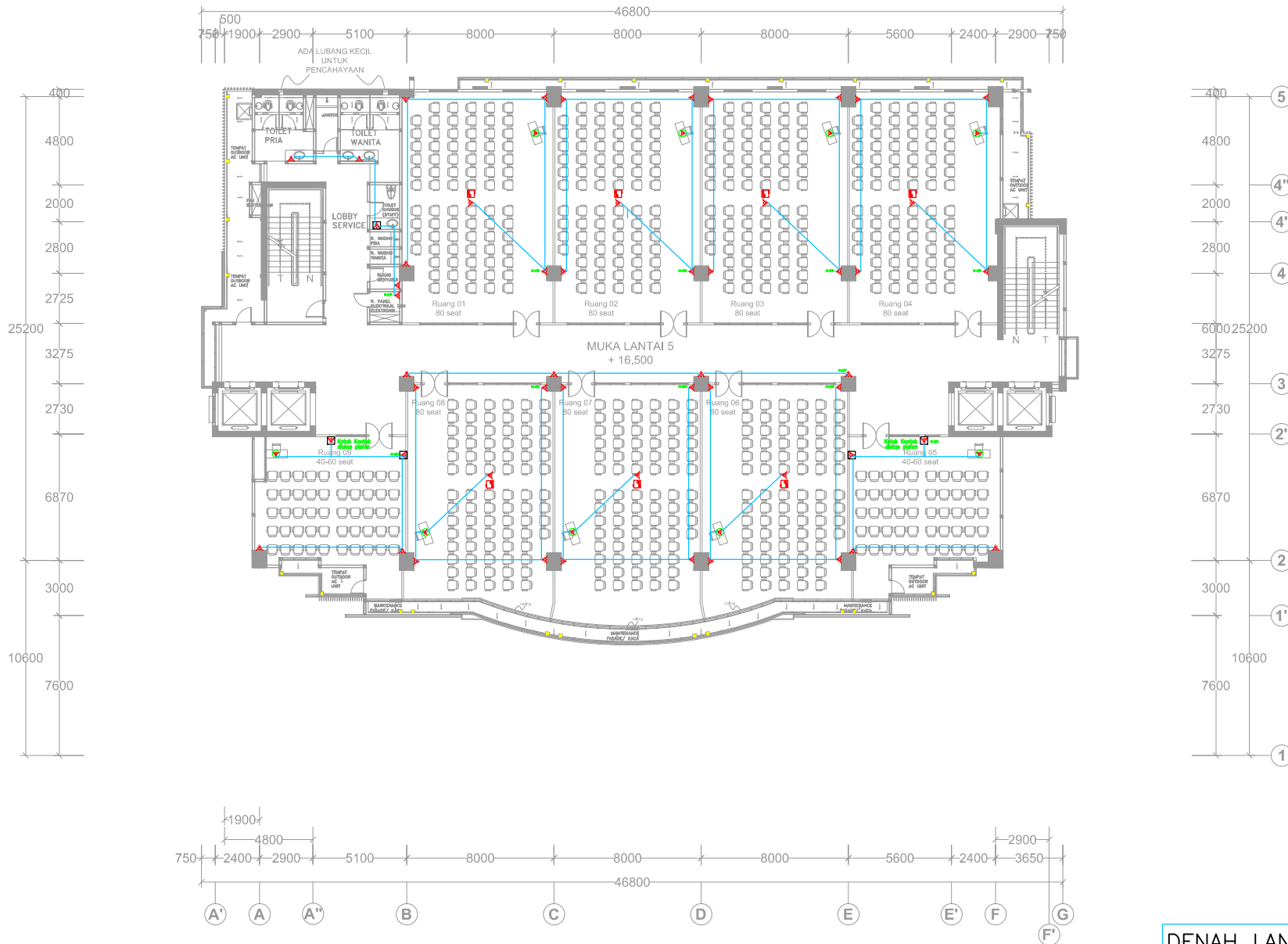
DENAH LANTAI 3



SIMBOL & KETERANGAN	
	KOTAK KONTRAK DINDING 1 FASA (T=100CM)
	KOTAK KONTRAK DINDING 1 FASA (T=150CM)
	KOTAK KONTRAK LANTAI 1 FASA
	KOTAK KONTRAK LCD PROYEKTOR 1 FASA

K/C/X
 NO. GRUP (RACK) DI PANEL
 MAIN PANEL
 INSTALASI KOTAK KONTAK MEMERIKSA KABEL MIN 3x2,5mm²
 DALAM RANGKAIAN CONDUIT 40mm

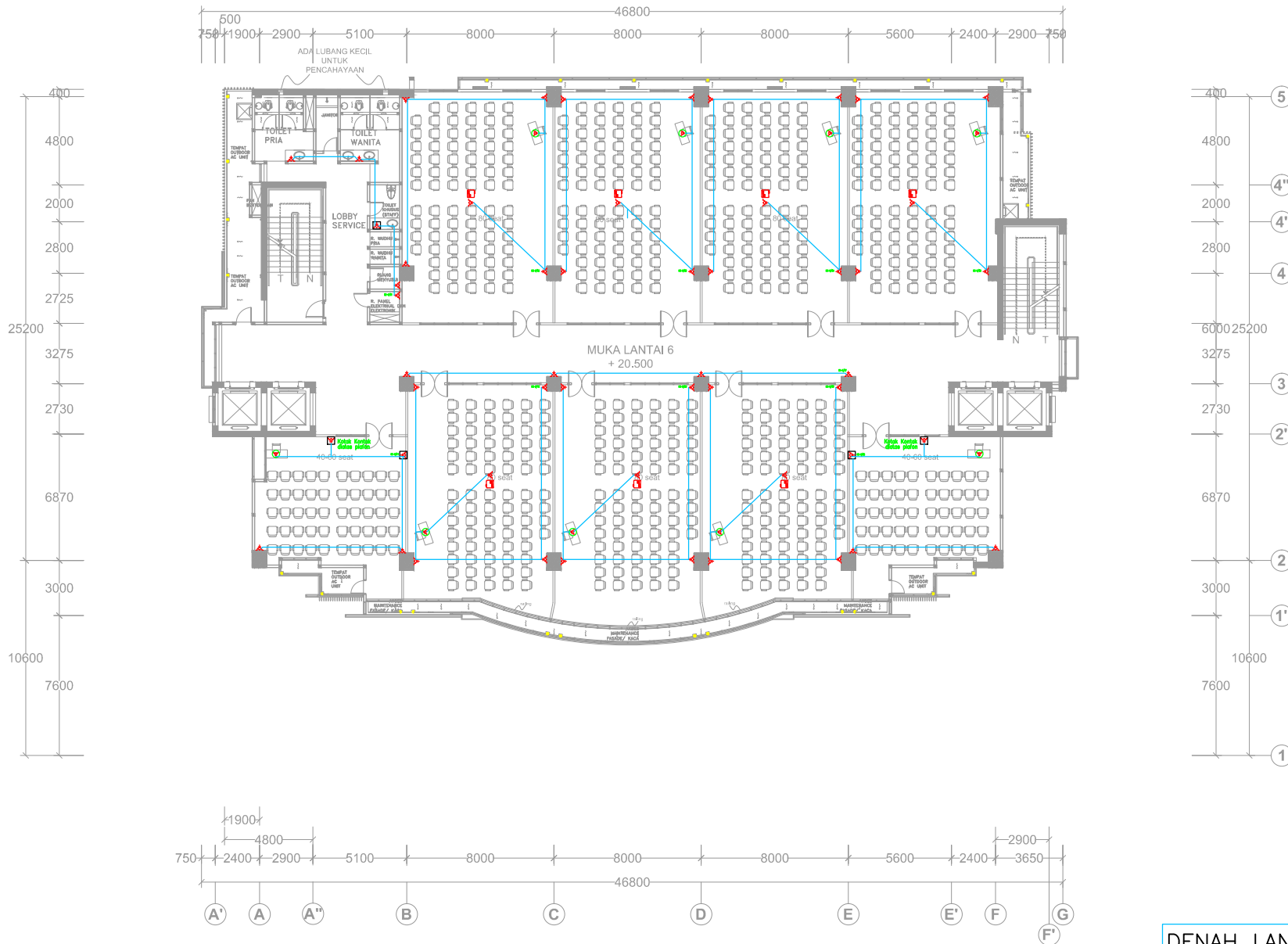
DENAH LANTAI 4



SIMBOL & KETERANGAN	
	KOTAK KONTRAK DINDING 1 FASA (T=100x100)
	KOTAK KONTRAK DINDING 1 FASA (T=150x100)
	KOTAK KONTRAK LANTAI 1 FASA
	KOTAK KONTRAK LCD PROJECTOR 1 FASA

K/C/X/X
 NO. GRUP (AC) di PANEL
 MAIN PANEL
 INSTALASI KOTAK KONTRAK MEMERIKSAAN KABEL MIN 3x2,5mm²
 DALAM RANGKAIAN CONDUIT 40mm

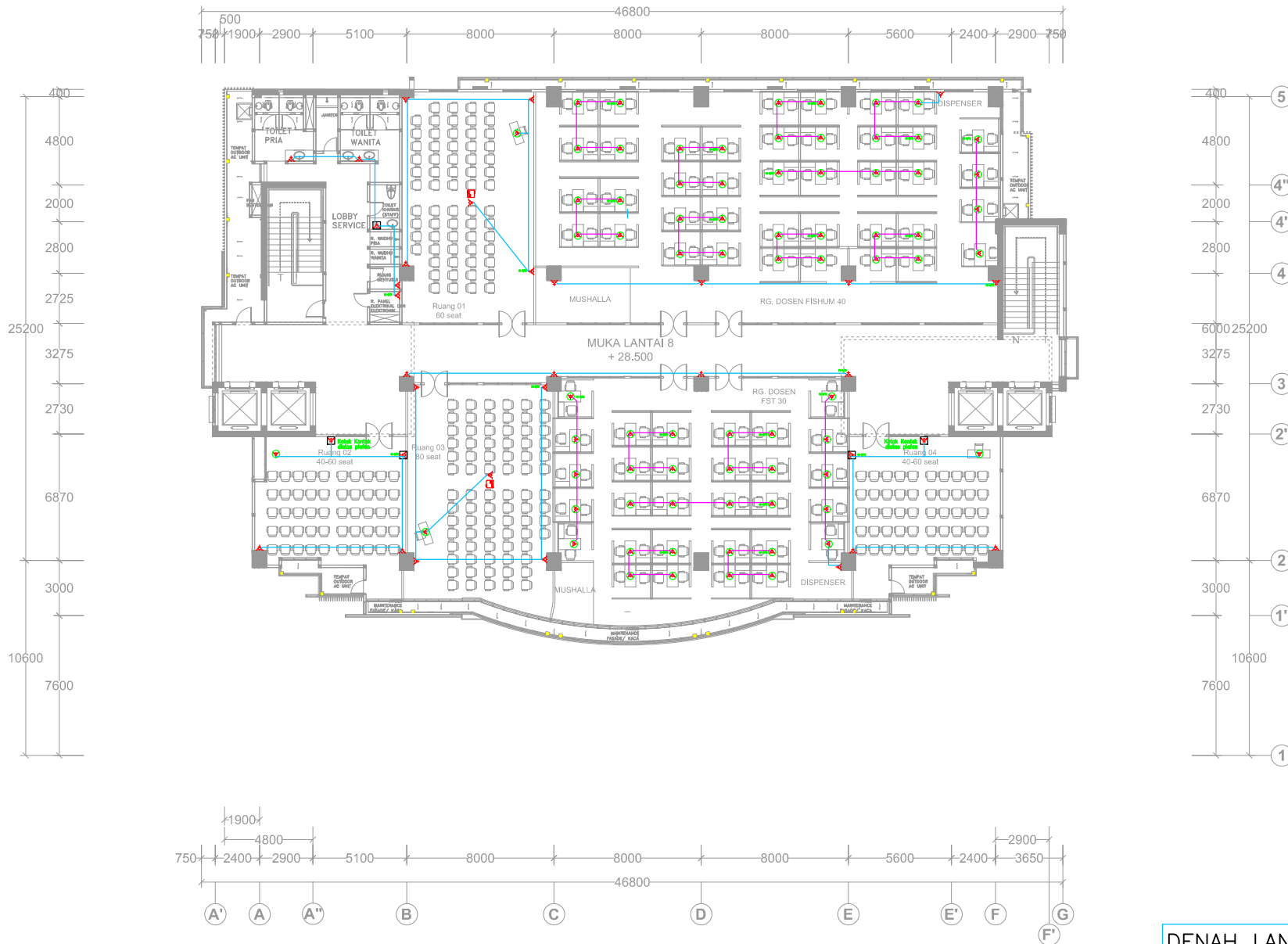
DENAH LANTAI 5



SIMBOL & KETERANGAN	
	KOTAK KONTRAK DINDING 1 FASA (T=100CM)
	KOTAK KONTRAK DINDING 1 FASA (T=150CM)
	KOTAK KONTRAK LANTAI 1 FASA
	KOTAK KONTRAK LCD PROJECTOR 1 FASA

K/C/X/X
 NO. GRUP (RACK) DI PANEL
 MAIN PANEL
 INSTALASI KOTAK KONTAK MEMERIKSAAN KABEL MIN 3x2.5mm²
 DALAM RANGKAIAN CONDUIT 40mm

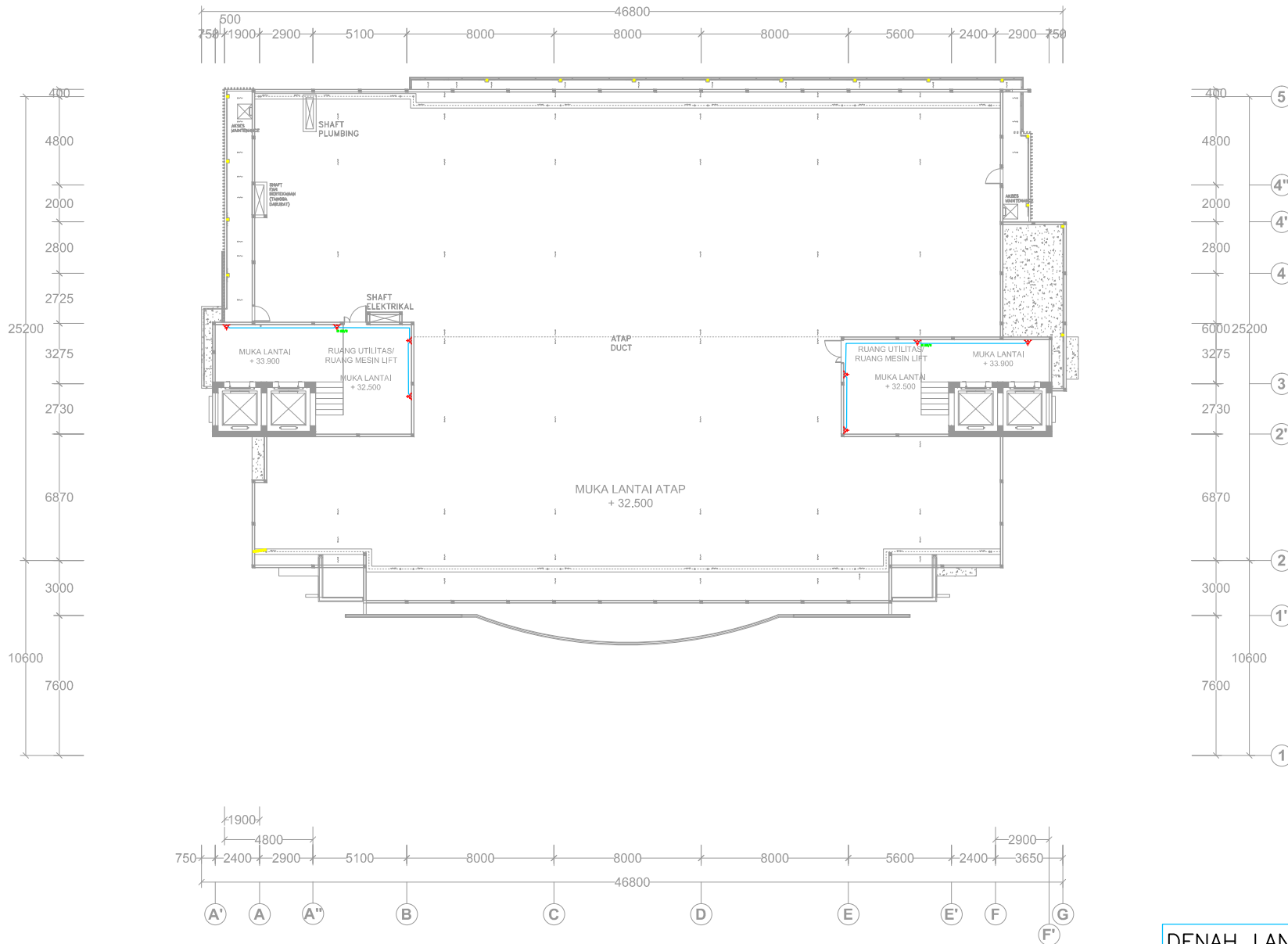
DENAH LANTAI 6



SIMBOL & KETERANGAN	
	KOTAK KEMUKA DINDING 1 FASA (T=100CM)
	KOTAK KEMUKA DINDING 1 FASA (T=150CM)
	KOTAK KEMUKA LANTAI 1 FASA
	KOTAK KEMUKA LCD PROYEKTOR 1 FASA

KCC/X
 NO. GRUP (ACB) di PANEL
 MUM. FASE
 INSTALASI KOTAK KEMUKA MEMERIKSAAN KABEL MIN 3x2,5mm² DALAM RANGKAI CONDUIT 40mm

DENAH LANTAI 8

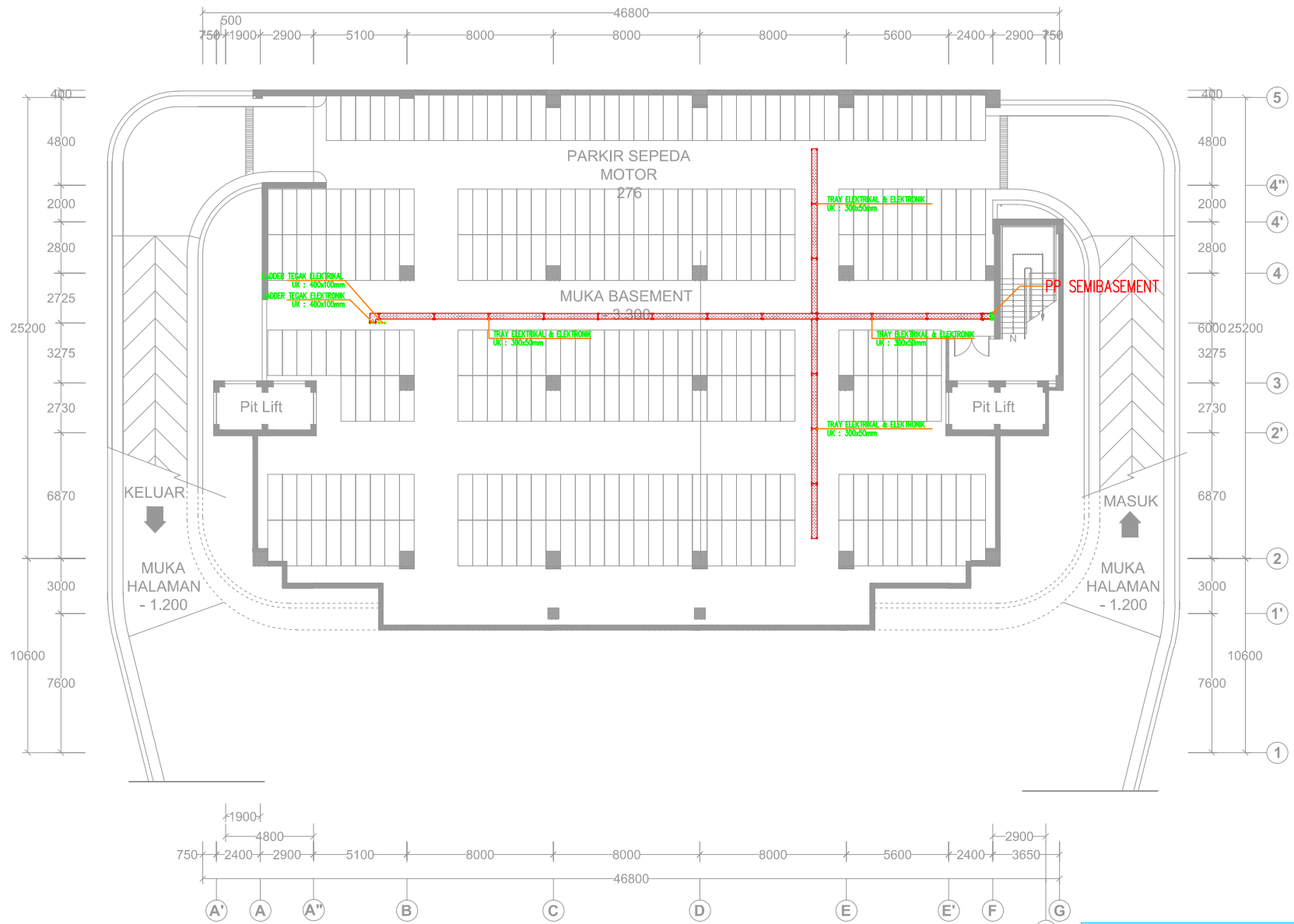


SIMBOL & KETERANGAN	
	KOTAK KONTRAK DINDING 1 FASA (T=40CM)
	KOTAK KONTRAK DINDING 1 FASA (T=150CM)
	KOTAK KONTRAK LANTAI 1 FASA
	KOTAK KONTRAK LGS PROYEKTOR 1 FASA

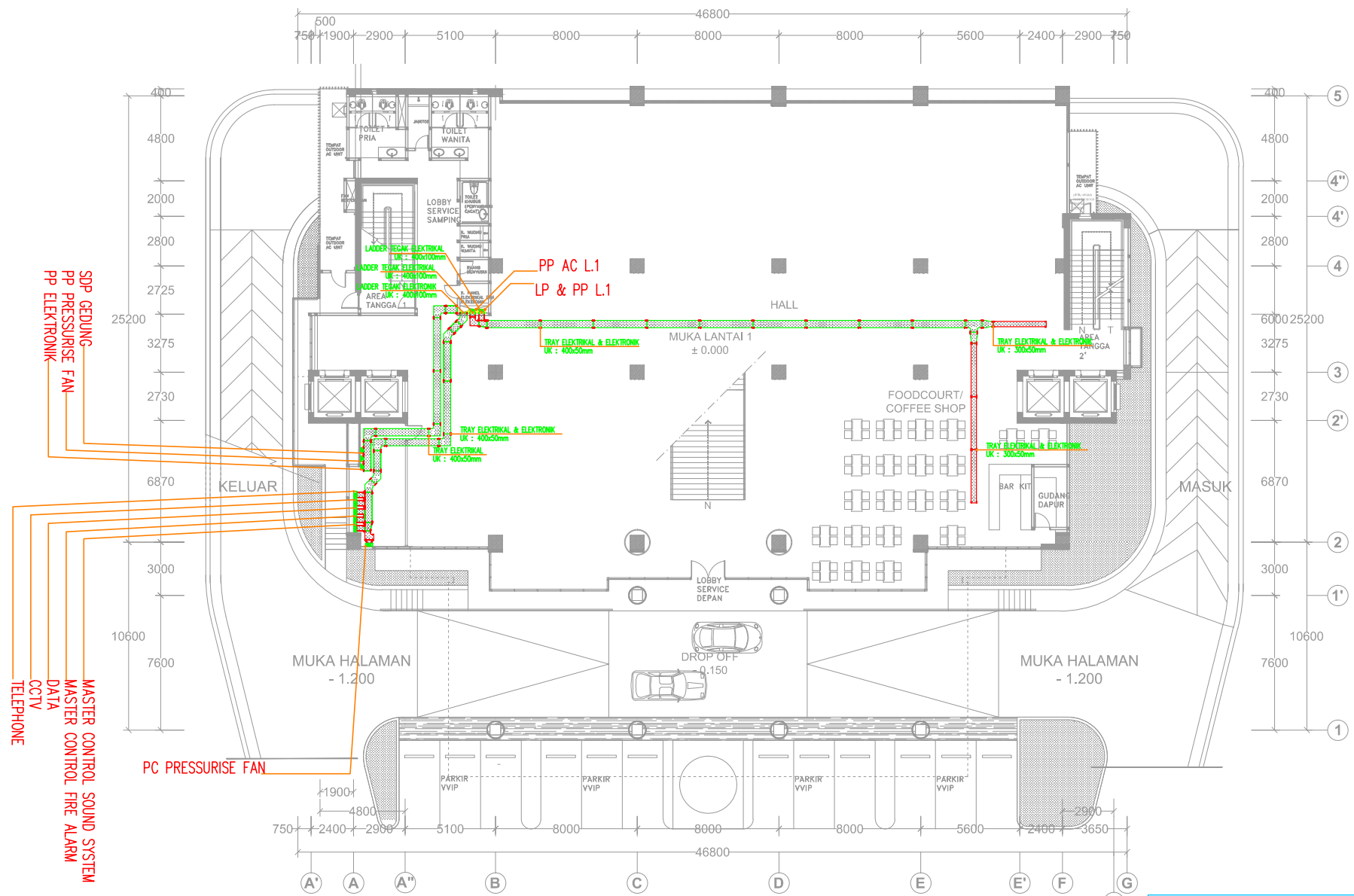
K/C/X/X
 NO. GRUP (NO) DI PANEL
 MAIN FASE
 INSTALASI KOTAK KONTAK MEMERIKSAHIN KABEL MIN 3x2,5mm²
 DALAM RANGKAIAN CONDUIT Ø30mm

DENAH LANTAI ATAP

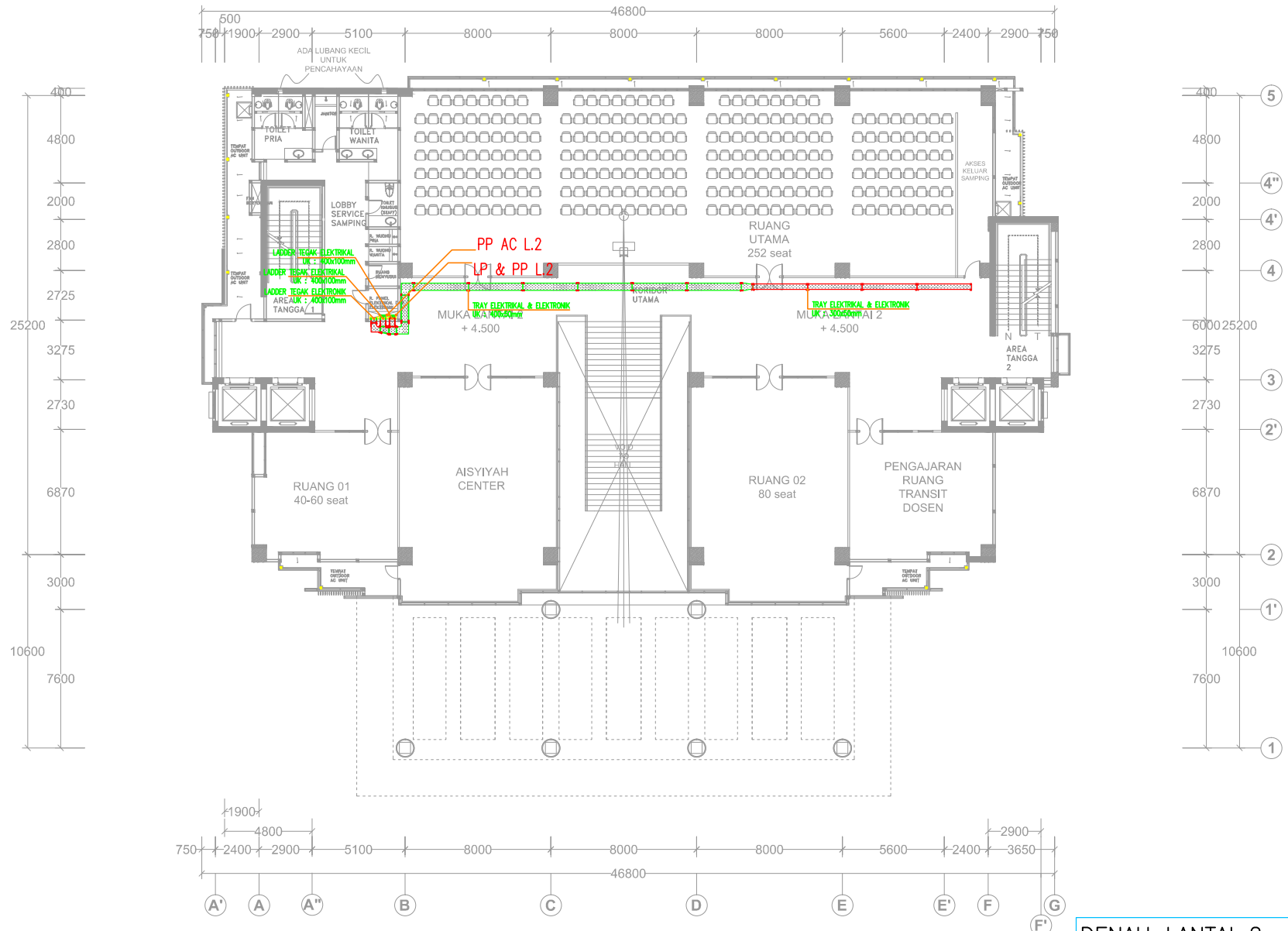
GAMBAR RENCANA TRAY KABEL



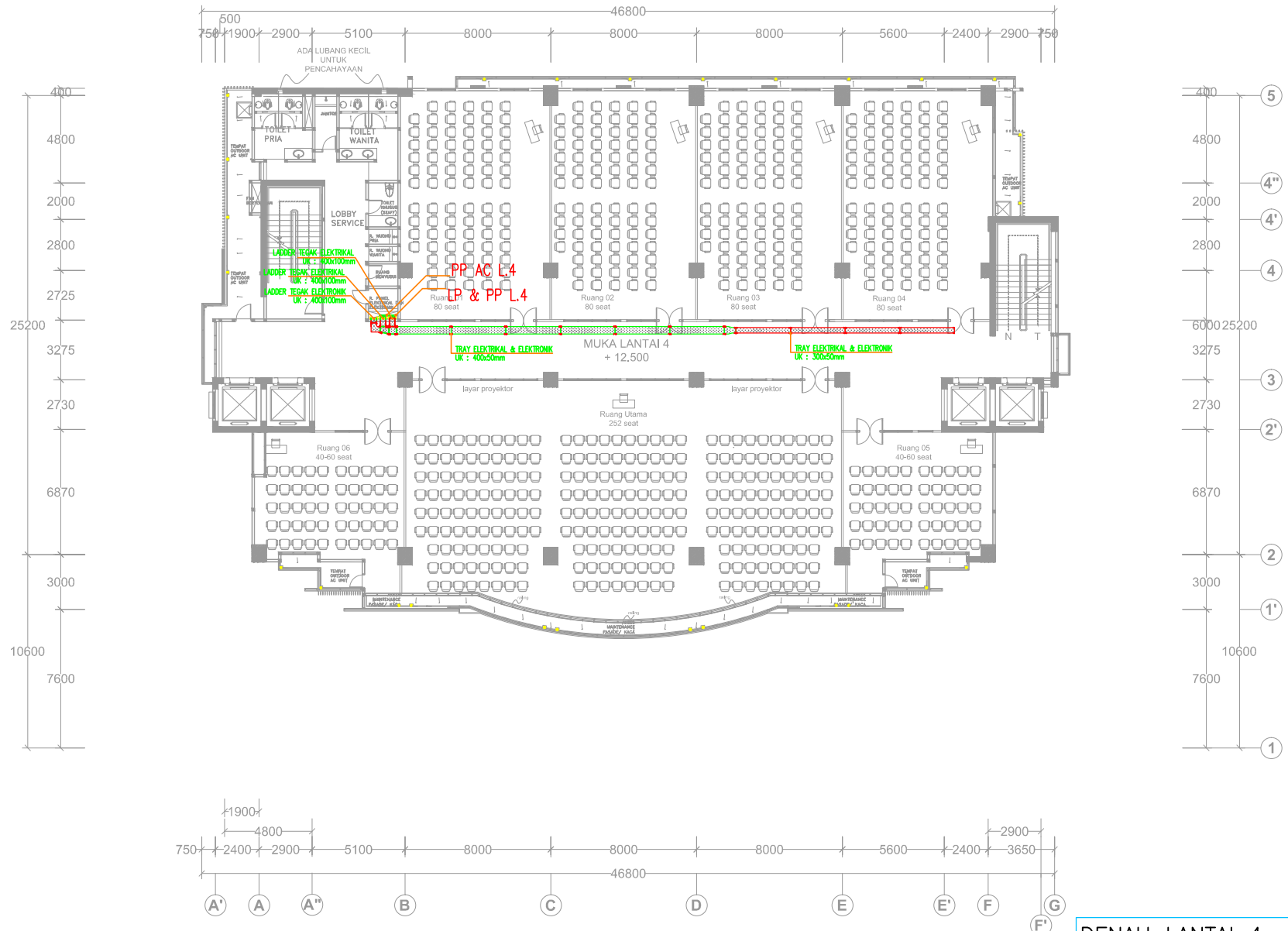
DENAH LANTAI SEMIBASEMENT



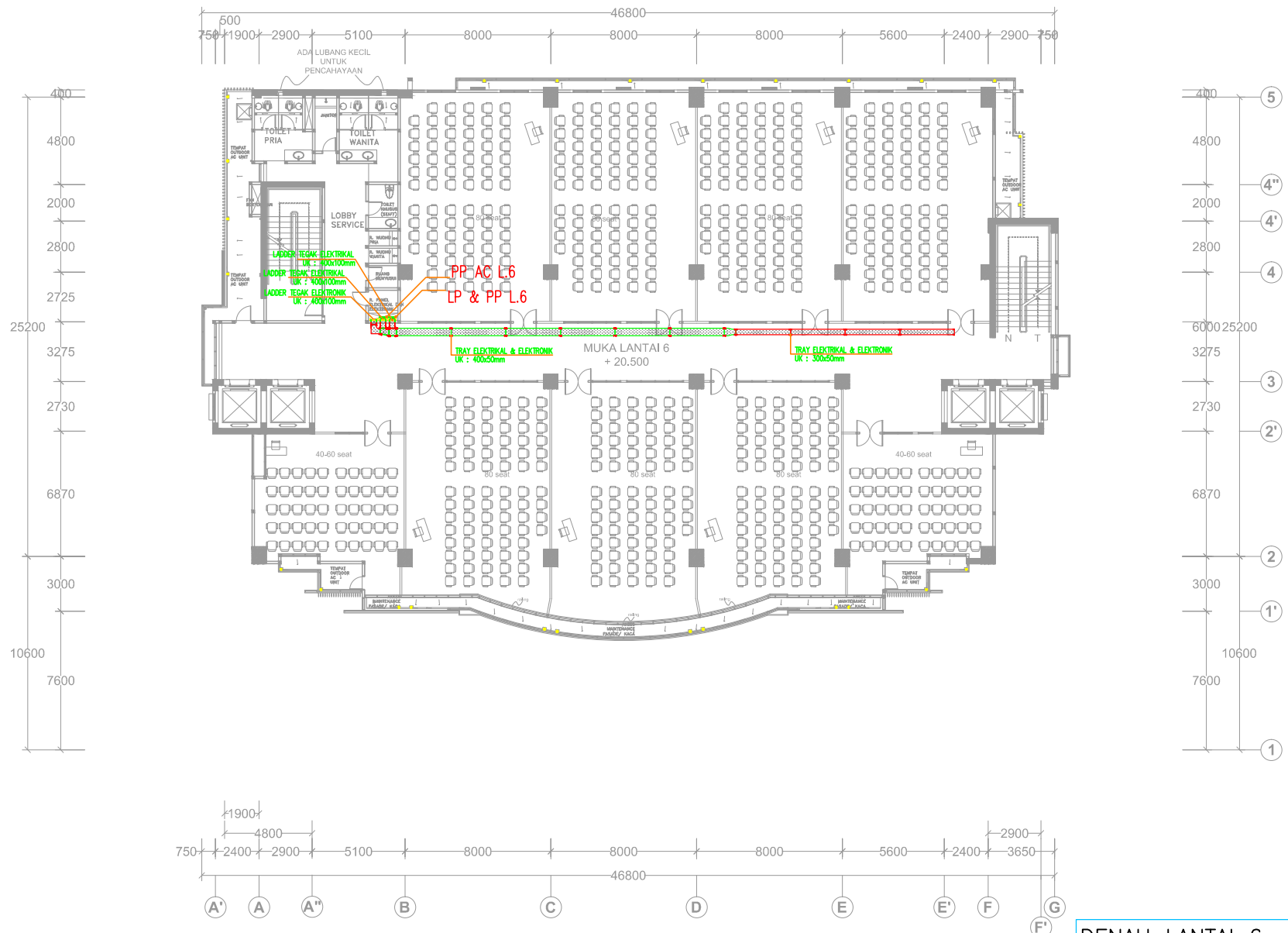
DENAH LANTAI 1



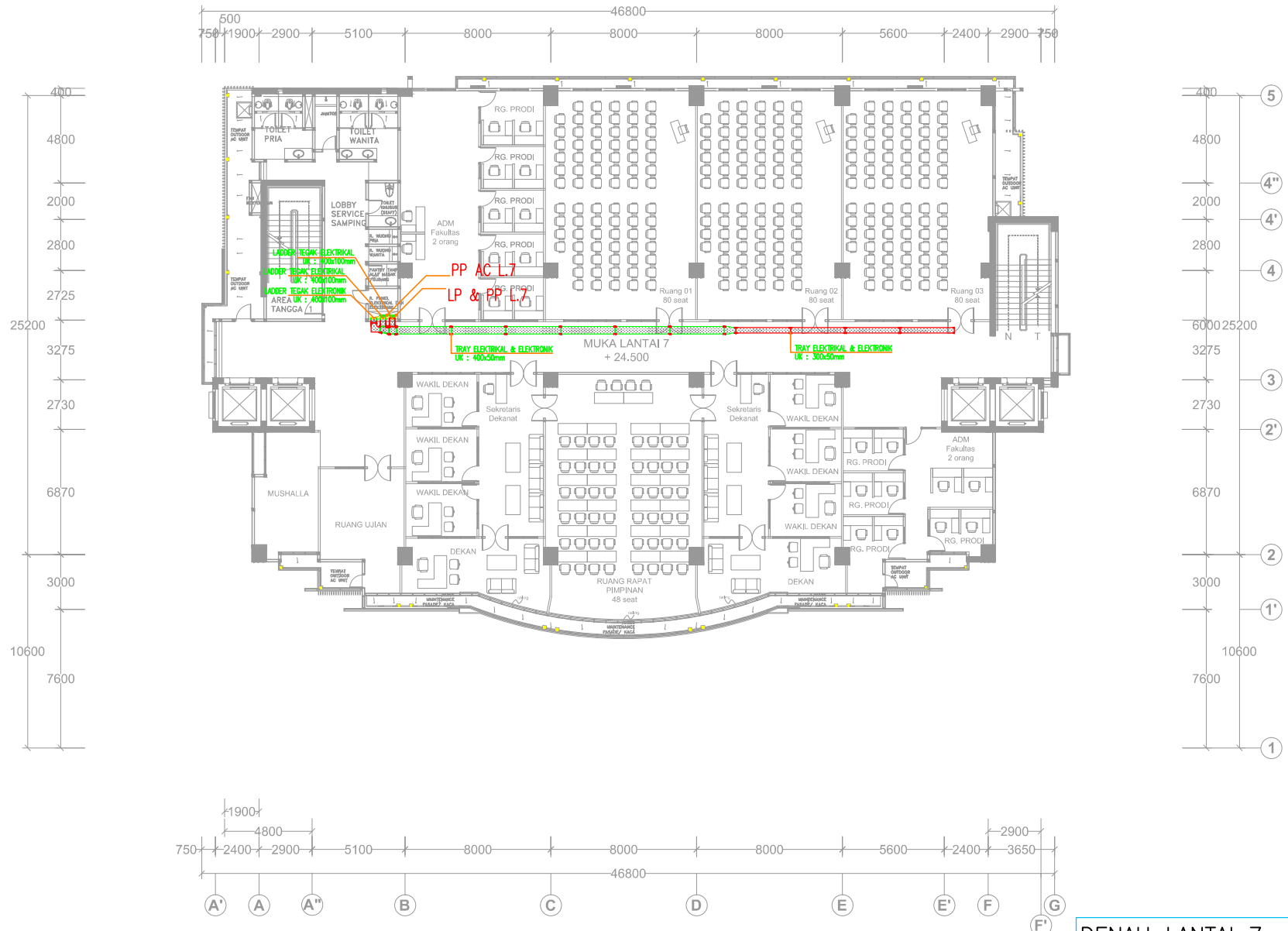
DENAH LANTAI 2



DENAH LANTAI 4



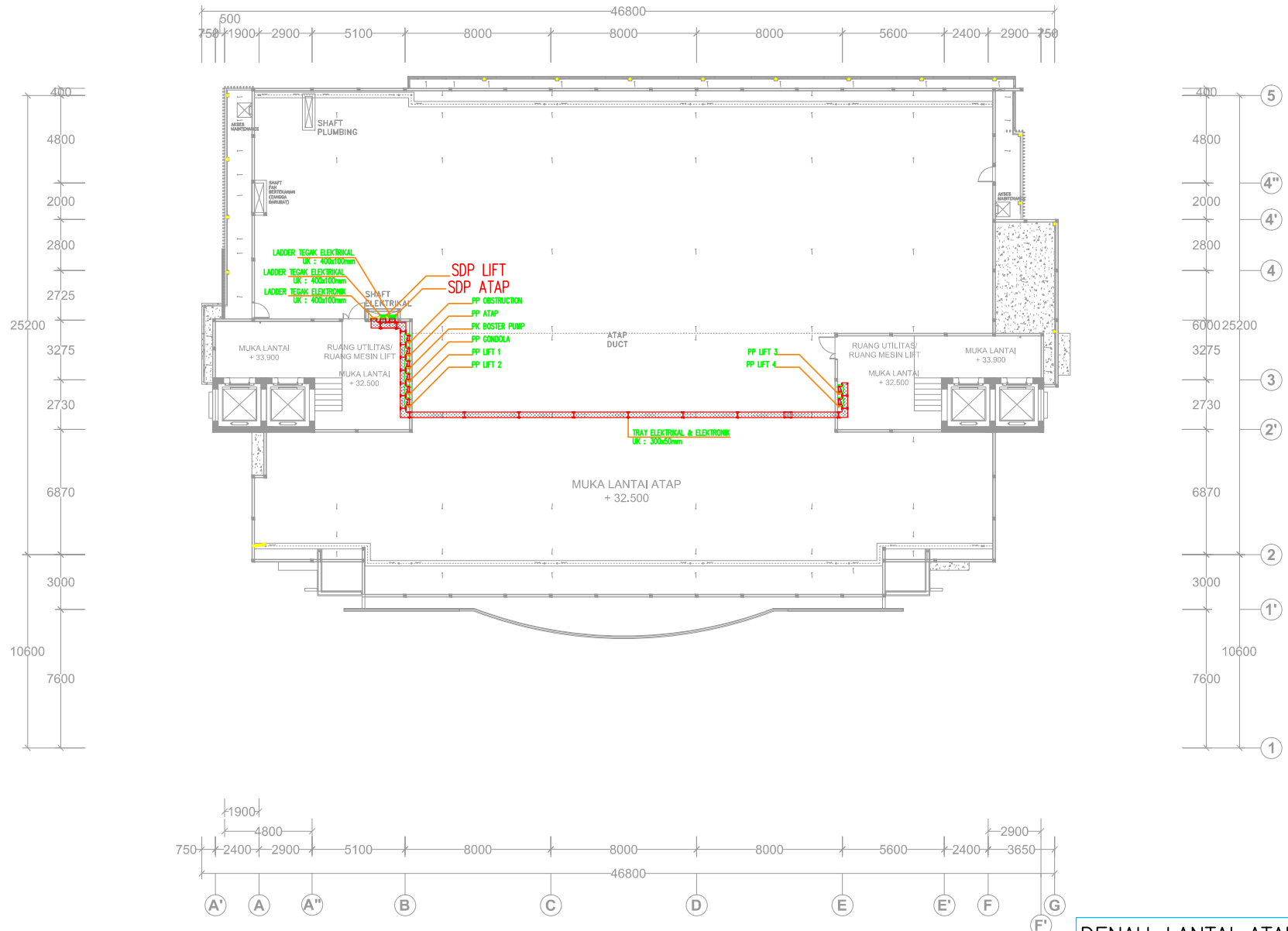
DENAH LANTAI 6



DENAH LANTAI 7



DENAH LANTAI 8



DENAH LANTAI ATAP