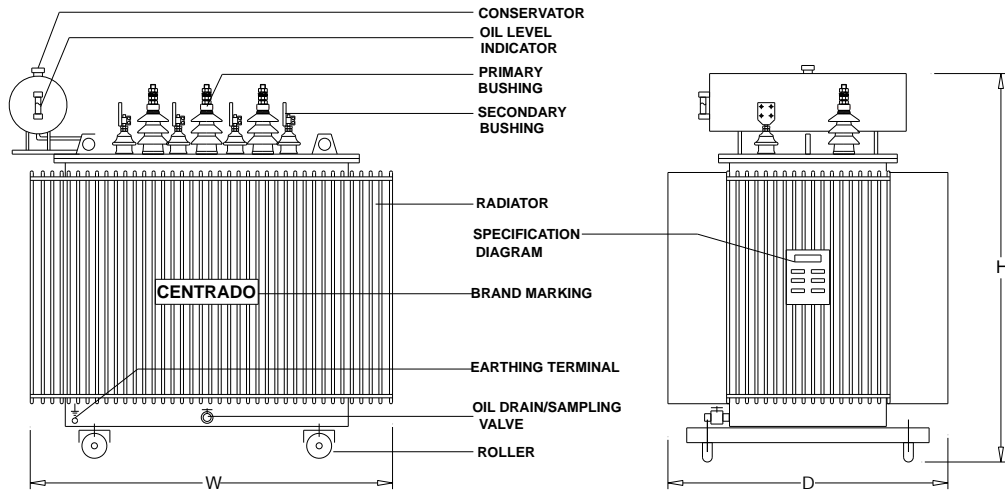


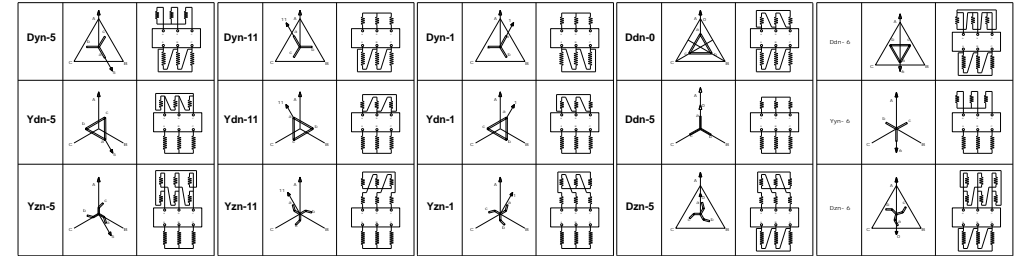
FRONT VIEW

SIDE VIEW



DISTRIBUTION TRANSFORMER TECHNICAL SPECIFICATION

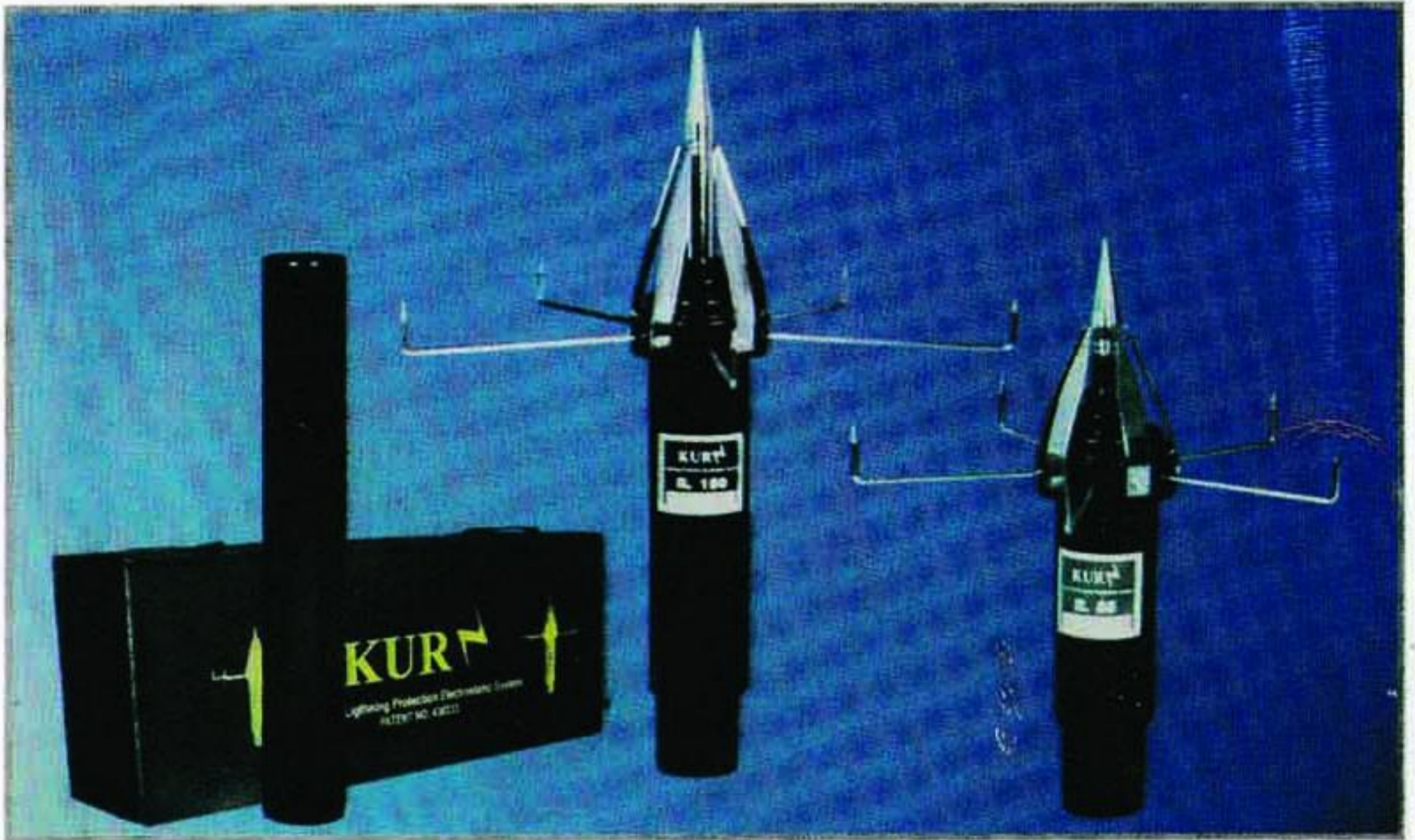
VECTOR DIAGRAM



Kapasitas Capacity	Arus beban NoI Exciting Current	Hubungan Singkat Impedance ZSC	Rugi Besi Iron Losses	Rugi Tembaga Copper Losses	Jumlah Rugi Total Losses	Pengaturan Tegangan Pada Beban Volt Drop At full load		Efisiensi pada Faktor daya 1.0 Efficiency Load Cos φ 1:0				Tingkat Suara Bising Acoustic Power	Dimensi / Dimension -10%			Volume Oil	Berat Weight	Highest HV LV
													W	D	H			
													Panjang Length	Lebar Width	Tinggi Height			
KVA	%	%	WATT	WATT	WATT	Q 1.0	Q 0.8	100%	75%	50%	25%	DB(A)	Mm	Mm	Mm	Liter	Kg	KV
25	3	4.0	100	756	856	2.80	4.26	96.69	97.15	97.49	98.31	48	750	520	1050	78	320	20/0.4
50	2.9	4.0	145	1320	1465	2.69	3.92	97.15	98.69	98.14	98.51	53	850	700	1150	140	450	20/0.4
100	2.5	4.0	210	2100	2310	2.16	3.73	97.74	98.18	98.55	98.78	53	950	720	1250	175	650	20/0.4
160	2.3	4.0	460	2350	2810	1.54	3.43	98.27	98.54	98.71	98.79	56	980	780	1350	220	850	20/0.4
200	2.2	4.0	550	2850	3400	1.48	3.39	98.32	98.75	98.09	98.33	58	1100	810	1450	280	980	20/0.4
250	2.1	4.0	600	3250	3850	1.37	3.33	98.48	98.73	98.88	99.01	58	1200	840	1500	320	1100	20/0.4
315	2.0	4.0	710	3900	4610	1.31	3.30	98.56	98.79	98.94	99.05	59	1360	900	1550	360	1250	20/0.4
400	1.9	4.0	840	4600	5440	1.22	3.25	98.66	98.87	99.01	99.10	60	1500	900	1550	390	1380	20/0.4
500	1.9	4.0	980	5500	6480	1.17	3.22	98.72	98.93	99.07	99.12	60	1600	950	1600	460	1650	20/0.4
630	1.8	4.0	1160	6500	7660	1.11	3.17	98.80	98.99	99.12	99.18	61	1650	980	1650	560	2050	20/0.4
800	2.2	4.5	1560	10200	11760	1.21	3.22	98.55	98.80	98.98	99.02	61	1650	1020	1680	600	2200	20/0.4
1000	1.8	5.0	1840	12100	13940	1.19	3.23	98.63	98.86	99.04	99.09	63	1780	1080	1750	720	2650	20/0.4
1250	1.8	5.5	2160	15000	17160	1.29	4.10	98.65	98.88	99.06	99.11	63	1850	1150	1900	840	3200	20/0.4
1600	1.6	6.0	2640	18100	20740	1.22	4.23	98.72	98.94	99.11	99.18	65	1850	1250	1980	920	3800	20/0.4
2000	1.5	6.5	3000	22000	25000	1.26	4.61	98.75	98.98	99.15	99.21	65	2100	1250	2080	1200	4800	20/0.4
2500	1.2	7.0	3250	28000	31250	1.22	4.59	98.76	98.99	99.18	99.23	68	2150	1350	2080	1450	5800	20/0.4
3150	1.2	7.5	3750	33000	36750	1.19	4.68	98.83	99.06	99.24	99.29	69	2600	1600	2230	1800	6500	20/0.4
4000	1.2	8.0	4570	41000	45570	1.21	5.10	98.86	99.07	99.25	99.33	72	2880	1650	2380	2200	7800	20/3.3
5000	1.2	8.0	5400	45000	50400	1.25	5.37	98.99	99.18	99.33	99.38	72	3300	2150	2550	2800	9500	20/3.3
6300	0.85	8.5	6500	47000	53500	1.06	5.55	99.15	99.30	99.42	99.49	77	3300	2250	2650	3200	11500	20/3.3
8000	0.8	9.0	9000	57000	66000	1.07	5.85	99.18	99.32	99.42	99.48	77	3600	2250	2850	3600	13500	20/3.3
10000	0.75	9.0	11000	65000	76000	1.05	6.13	99.24	99.36	99.45	99.47	76	3800	2450	3000	4200	15500	20/3.3

LIGHTNING PROTECTION ELECTROSTATIC SYSTEM

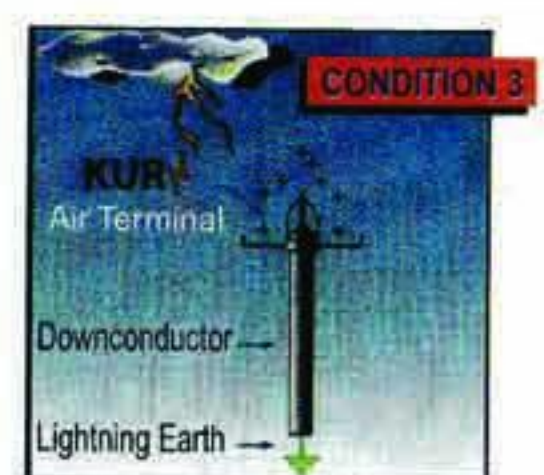
Kurn air terminal lightning conductor made in indonesia



KURN

- . *Early streamer emission lightning conductor*
- . *Non - radio active*
- . *No extra power required*
- * *Protection area until 150 meter (radius)*
- . *1 year product warranty*

* KURN R -150



Lightning strike occur of the change of electrical load (negative charges) from the cloud to the surface of the ground, chose the highest object that containing electrical load (positive charges). We can see " Step leader" lightning strike, it is like a glowing lines on the sky. Effect from the lightning strike can causes very serious damages to building, occupants and electrical equipment. We need lightning conductor to protected. There is three lightning conductor type :

1. *Conventional conductor*
2. *Radio active conductor*
3. *Electrostatic conductor*

KUR is the pioneer of lightning conductor electrostatic system from Indonesia, have a larger protection area, efficient and low maintainance (KURN use existing power from negative / positive charges of the grounding system).

KUR AIR TERMINAL

1. Head Copper

As main conductor to capture the lightning and passing charges via the cable (downconductor) to the grounding system

2. Disch Vertical

Collecting negative charges from the air, with the disch horizontal produces free electrons to initiate an upward streamer

3. Disch Horizontal

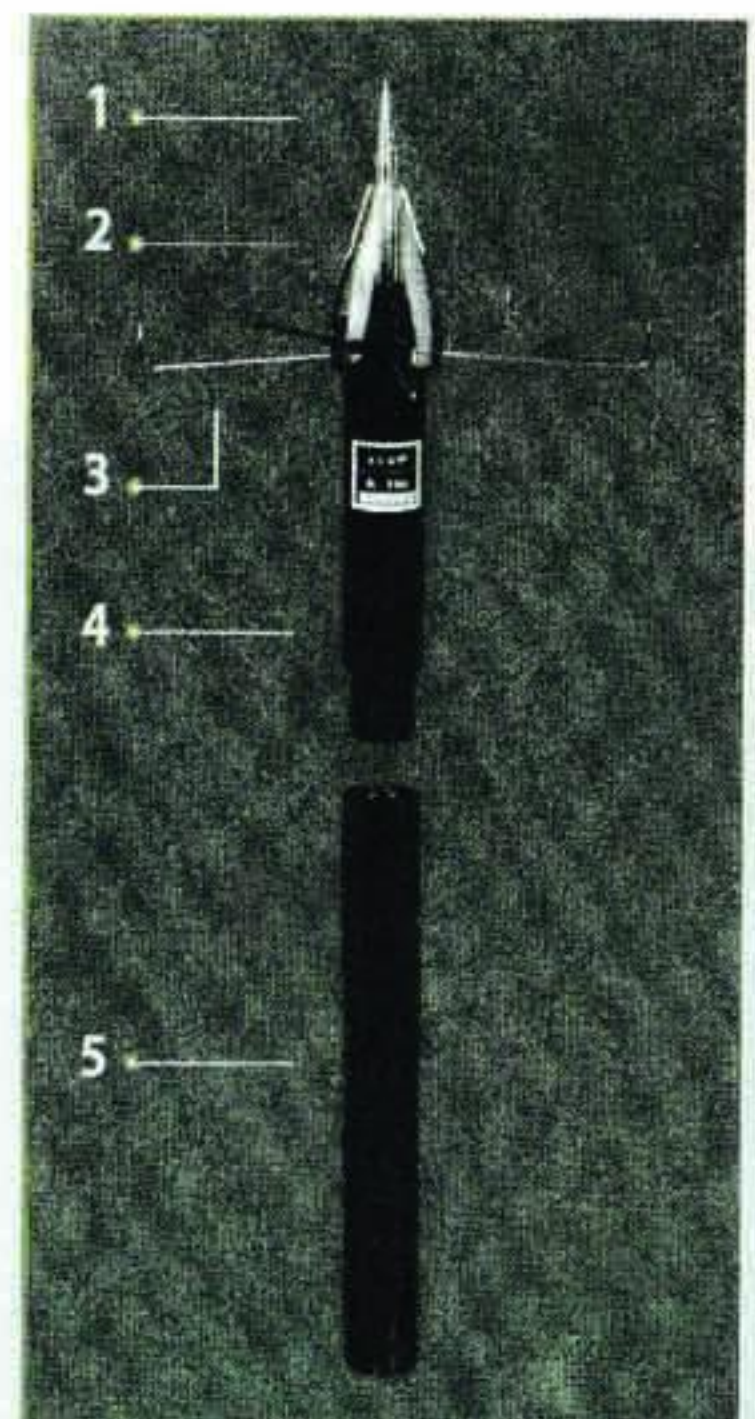
This part has function as positive charges conductor from the electro generator unit to create corona effect (as Early Streamer Emission / ESE)

4. Body terminal

There is an electronic part (Electro generator Unit / EGU) in the body terminal. Processing positive charges from the grounding system and it does not require external power source

5. Connecting Sleeve

Connecting body terminal and insulator for reducing risk of side flashing from the lightning strike energy to the mast

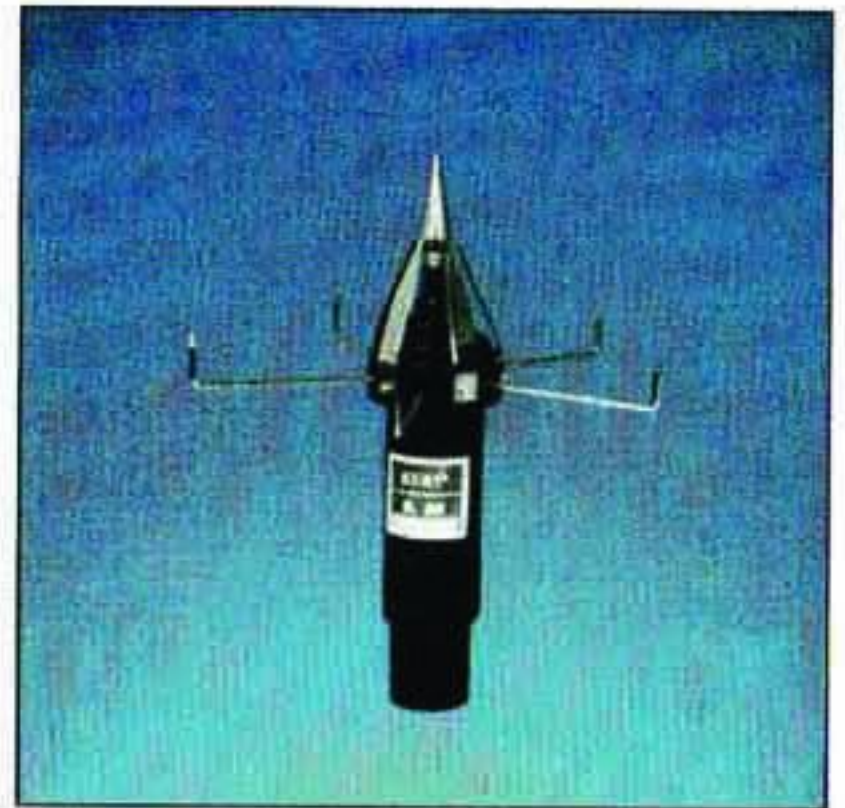




KURN R - 150

Spesification :

Weight : 2.7 kg
 Diameter : 3 in
 Lenght : 55 cm
 Rad. Protection : 150 m

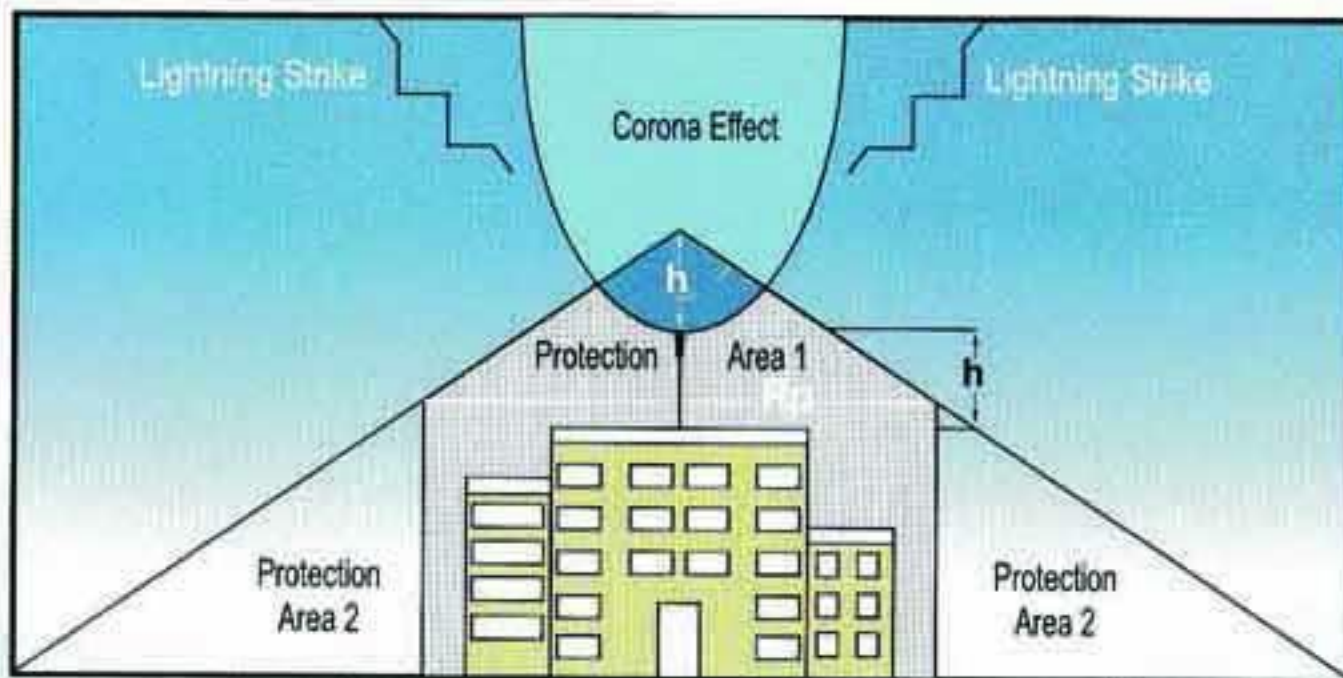


KURN R - 85

Spesification :

Weight : 2.4 kg
 Diameter : 3 in
 Lenght : 45 cm
 Rad. Protection : 85 m

PROTECTION AREA



Corona effect is early streamer emission when the atmospheric air reaches the ionization threshold (30 kV/m), in the laboratory test we can see the corona effect by eyes when the plate electrode (cloud simulation) reaches 50 kV/m

To calculated radius protection area of KURN lightning conductor use a formula :

$$R_p = (h + h') \tan$$

- R_p** = Radius protection (in meter), from the central point where KURN lightning conductor located
- h** = Height of the point of the lightning conductor above the surface to be protected (height of mast + lenght of air terminal)
- h'** = Maximum height emission can be reach from the lightning conductor power to generate a charges (depends on KURN lightning conductor type)
- * Type KURN R - 150 h' = 75 m and KURN R - 85 h' = 40 m
- = Angle of cone above protection area is 60 degrees

Each type of KURN lightning conductor have different range radius protection area and power to generate corona effect as early streamer

KURN R-85 : protection area max 85 m
KURN R-150 : protection area max 150 m

Use the table for effective application plan and chose the right type of KURN lightning conductor will installed (see the tabel at right)

KURN Radius Protection (M)		
Protection Level (M)	KURN Type	
	KURN R - 85	KURN R - 150
3	63	133
5	70	135
10	75	140
15	80	145
30	85	150
40	85	150

CERTIFICATE AND PRODUCT TEST



LMK - PLN Certificate product test



KURN product test at LMK - PLN

KURN Lightning protection passed test at LMK - PLN and registered at Indonesia ministry of law and human right with PATENT No : 438333

1 years product warranty to give you product satisfied and we never stop to research and develop the product as our commitmen become the best lightning conductor made in Indonesia

SOLE AGENT



LMKO



NYY 4 x (1.5-400) mm² 0.6/1 kV

Cu / PVC / PVC

(Copper Conductor, PVC Insulated, PVC Sheathed)

Standard Specification : IEC 60502-1

Construction Data

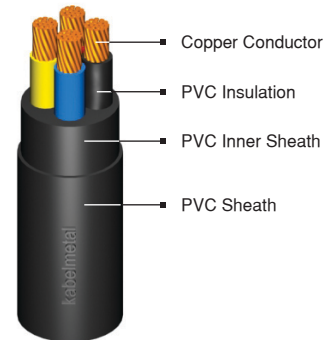
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	13.8	259
2.5	15.0	324
4	17.3	453
6	18.7	563
10	21.5	794
16	23.5	1,083
25	27.5	1,558
35	30.0	2,018
50	35.5	2,466
70	39.0	3,334
95	44.5	4,491
120	48.5	5,504
150	54.5	6,787
185	59.0	8,392
240	66.0	10,818
300	72.5	13,326
400	82.5	16,969

Application :

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request :

- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape
 16 sqmm supplied in non compacted circular stranded (rm) conductor shape
 25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape
 50 - 400 sqmm supplied in sector shaped stranded (sm) conductor

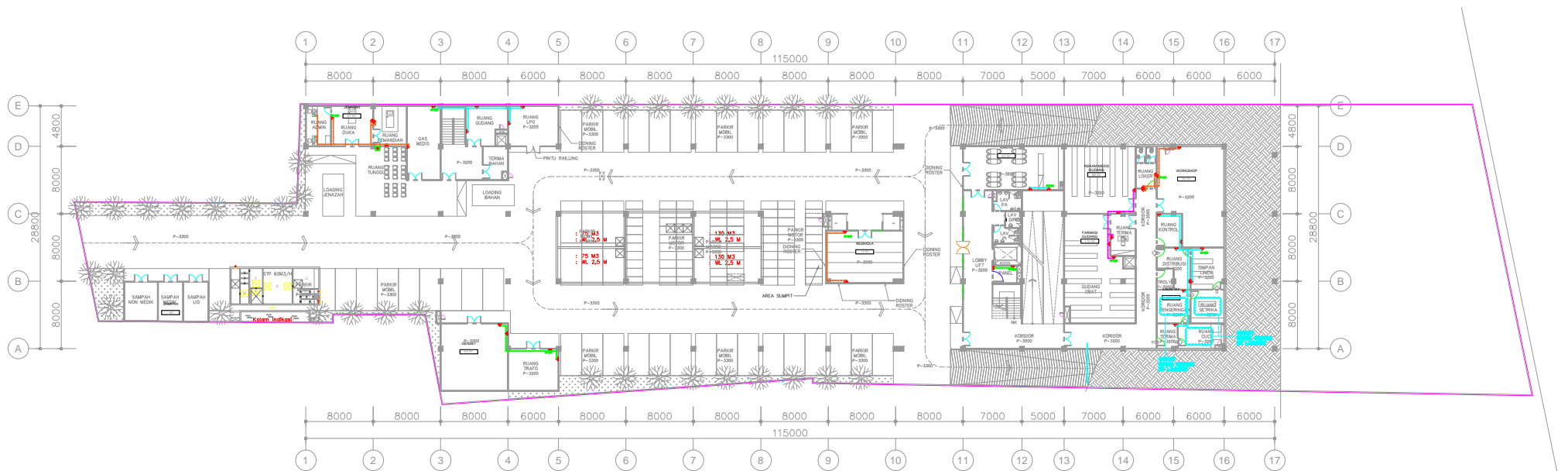
Standard Packing

1.5 - 70 sqmm supplied in wooden drum @ 1000 m
 95 - 400 sqmm will be supplied in wooden drum on available length
 Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C (Ω/km)	AC Resistance at 70°C (Ω/km)		in air (A)	in ground (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

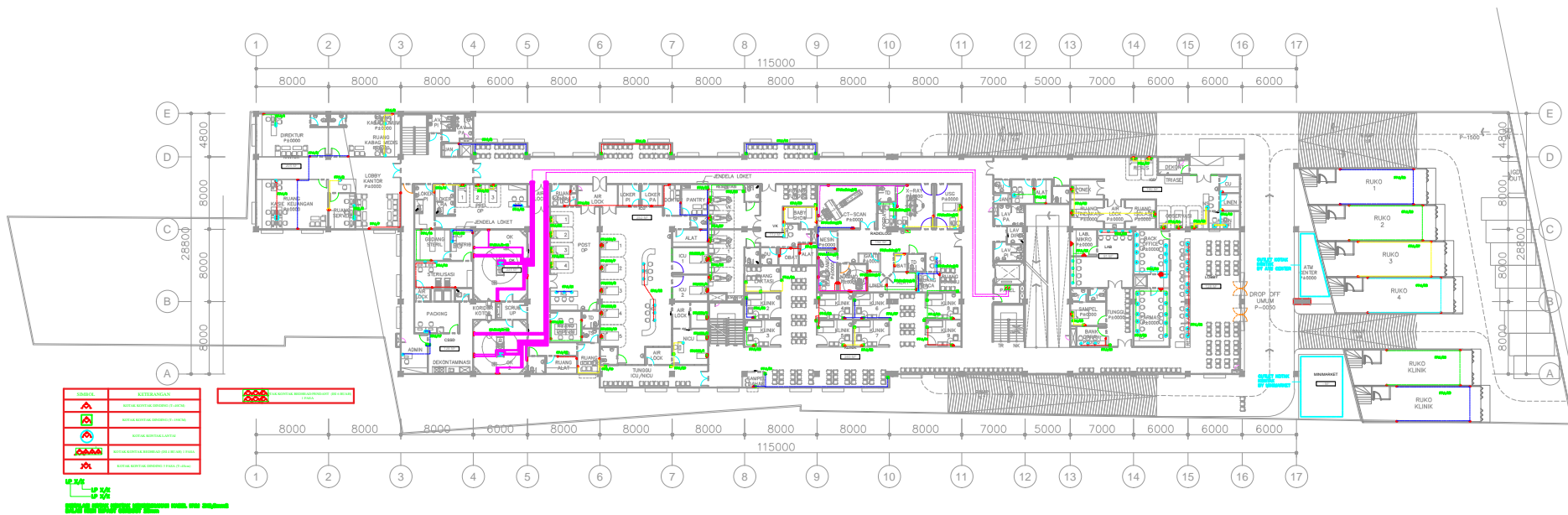
* Further information about rating factor for certain cable arrangement can be found on supplementary technical information



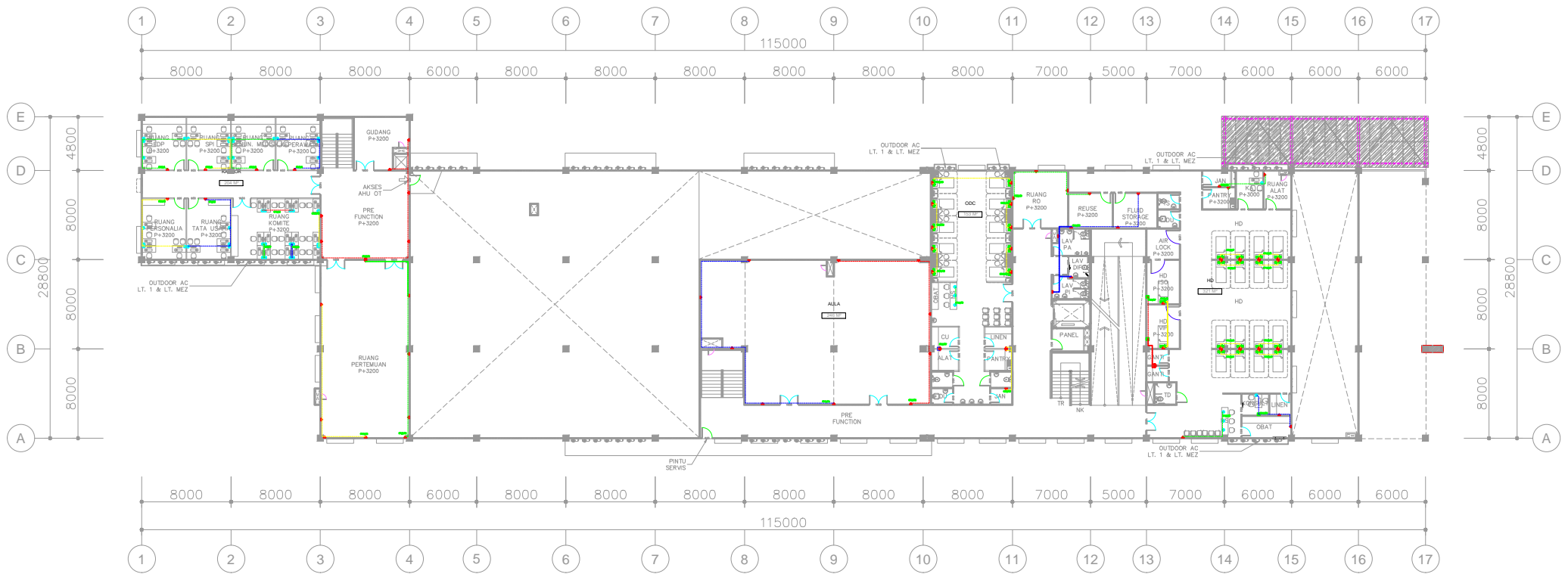
SIMBOL	KETERANGAN	QTY
	KOTAK KONTAK DINDING (T=40CM)	38
	KOTAK KONTAK DINDING (T=150CM)	1
	KOTAK KONTAK LANTAI	2
	KOTAK KONTAK BEDHEAD (ISI 4 BUAH) 1 FASA	0
	KOTAK KONTAK DINDING 3 FASA (T=40cm)	0

LP X/X
 LP X/X
 LP X/X
INSTALASI KOTAK KONTAK MENGGOLONGKAN KABEL NYM 3X2,5mm² DALAM HIGH IMPACT CONDUCT 20mm

RENCANA KOTAK KONTAK BASSEMENT



RENCANA KOTAK KONTAK LANTAI 1

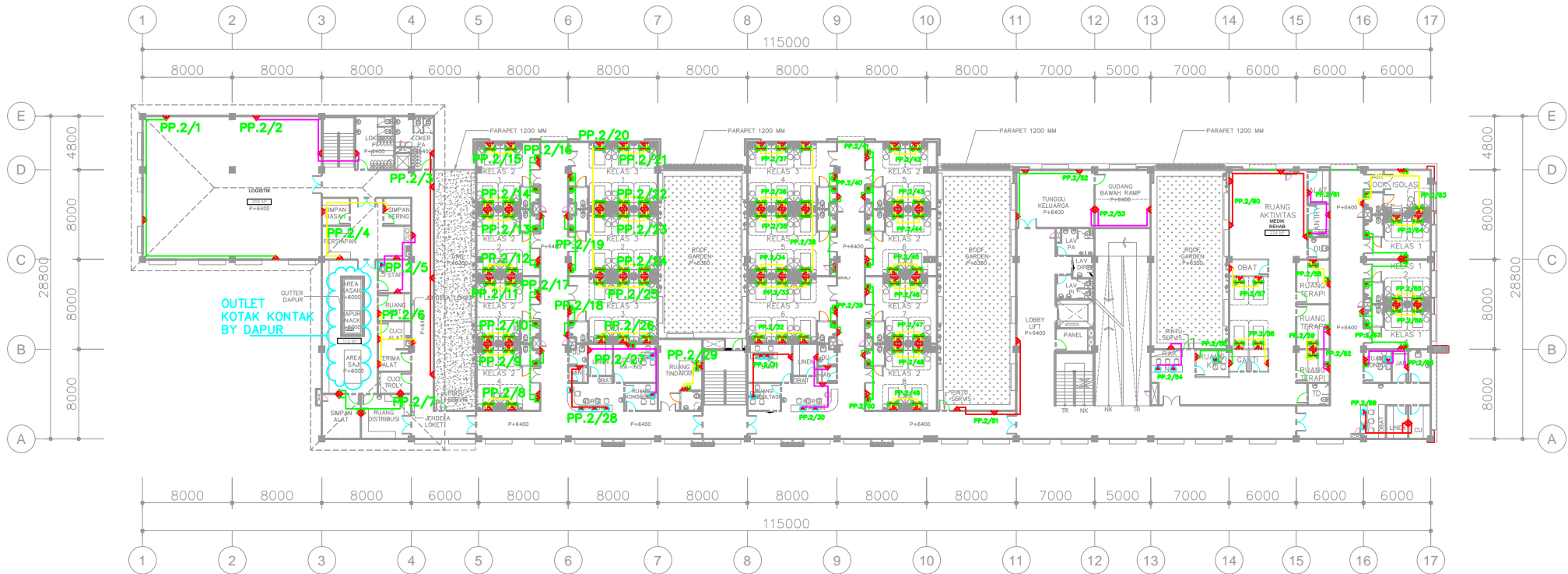


SIMBOL	KETERANGAN	QTY
	KOTAK KONTAK DINDING (T-40CM)	38
	KOTAK KONTAK DINDING (T-150CM)	1
	KOTAK KONTAK LANTAI	2
	KOTAK KONTAK BERSIAP (ISI 6 BUKAN) 1 FASA	0
	KOTAK KONTAK DINDING 3 FASA (T-80CM)	0

	KOTAK KONTAK BERSIAP (ISI 6 BUKAN) 3 FASA
--	---

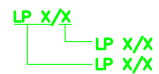
UP 3x4
 UP 2x4
 KABEL KOTAK KONTAK BERBENTUKAN KABEL NYM 3x4mm² DALAM TUBA IMPACT CONDUIT 32mm

RENCANA KOTAK KONTAK LANTAI MEZZANINE



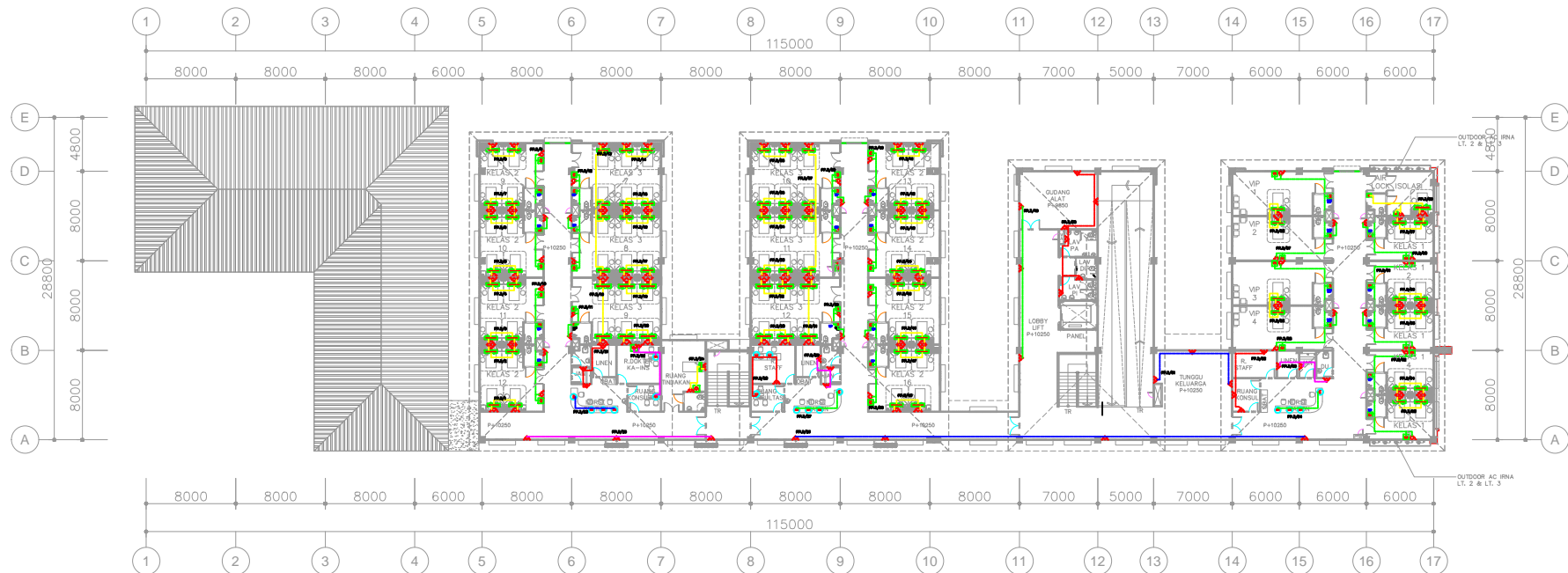
SIMBOL	KETERANGAN	QTY
	KOTAK KONTAK DINDING (T=40CM)	38
	KOTAK KONTAK DINDING (T=150CM)	1
	KOTAK KONTAK LANTAI	2
	KOTAK KONTAK BEDHEAD (ISI 4 BUAH) 1 FASA	0
	KOTAK KONTAK DINDING 3 FASA (T=40cm)	0

	KOTAK KONTAK BEDHEAD/PENDANT (ISI 6 BUAH) 1 FASA	0
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INSTALASI KOTAK KONTAK MENGGUNAKAN KABEL NYM 3X2,5mm2
 DALAM HIGH IMPACT CONDUCT 20mm

RENCANA KOTAK KONTAK LANTAI 2



SIMBOL	KETERANGAN
	KOTAK KONTAK AIR-COND (1-18)KELAS
	KOTAK KONTAK AIR SUPPLY (1-18)KELAS
	KOTAK KONTAK LAINNYA
	KOTAK KONTAK AIR-COND (1-18)KELAS
	KOTAK KONTAK AIR-COND (1-18)KELAS

IP 3/4
 IP 1/2
 IP 1/2
 KOTAK KONTAK AIR SUPPLY (1-18)KELAS
 KOTAK KONTAK AIR SUPPLY (1-18)KELAS

RENCANA KOTAK KONTAK LANTAI 3

Rencana Schedule Beban LVMDP

Panel	Beban Tersambung					FK %	Beban Normal				
	KVA	KW	R	S	T		KVA	KW	R	S	T
SDP Lift	13,75	11	62,5	62,5	62,5	0,8	17,1875	13,75	78,125	78,13	78,13
LP Basement	5,162	4,388	7,941	7,786	7,738	0,85	4,130	3,510	6,353	6,229	6,190
PP Basement	5,647	4,8	8,556	8,556	8,556	0,85	3,953	3,360	5,989	5,989	5,989
LP 1	7,113	6,046	10,995	10,743	10,594	0,85	5,690	4,837	8,796	8,594	8,475
PP 1	38,588	32,8	58,289	58,824	58,289	0,85	27,012	22,960	40,802	41,177	40,802
PP OK	8,588	7,3	16,043	6,951	16,043	0,85	6,012	5,110	11,230	4,866	11,230
PP Radiologi	28,235	24	29,412	32,086	29,412	0,85	19,765	16,800	20,588	22,460	20,588
LP Mezza	3,061	2,602	4,68	4,68	4,56	0,85	2,449	2,082	3,744	3,744	3,648
PP Mezza	18,353	15,6	28,3432	27,273	27,807	0,85	12,847	10,920	19,840	19,091	19,465
PP HD	10,588	9	16,043	16,043	16,043	0,85	7,412	6,300	11,230	11,230	11,230
LP 2	5,674	4,823	8,5	8,56	8,73	0,85	4,539	3,858	6,800	6,848	6,984
PP 2	65,765	55,9	100	99,465	99,465	0,85	46,036	39,130	70,000	69,626	69,626
LP 3	3,178	2,702	4,67	4,93	4,86	0,85	2,542	2,162	3,736	3,944	3,888
PP3	64,117	54,5	97,861	96,791	96,791	0,85	44,882	38,150	68,503	67,754	67,754
PP AC Basem	14,518	12,341	22,738	22,636	20,62	0,85	10,163	8,639	15,917	15,845	14,434
PP AC 1	68,411	58,15	103,412	103,604	103,947	0,85	47,888	40,705	72,388	72,523	72,763
PP AC Mezza	37,645	31,99	57,4333	57,342	57,342	0,85	26,352	22,393	40,203	40,139	40,139
PP AC 2	34,225	29,092	52,316	51,214	52,043	0,85	23,958	20,364	36,621	35,850	36,430
PP AC 3	23,198	19,719	35,813	35,193	34,44	0,85	16,239	13,803	25,069	24,635	24,108
Total	455,816	386,753	725,546	715,177	719,78		329,0525	278,8332	545,9355	538,7	541,9
	KVA	KW	A	A	A		KVA	KW	A	A	A

BEBAN LISTRIK NORMAL

TOTAL KW	278,8332
TOTAL KVA	329,0525

BEBAN LISTRIK NORMAL

S	P	R	S	T
329,0525	278,8332	725,55	715,18	719,78
KVA	KW	A	A	A

PERBAIKAN FAKTOR DAYA

Faktor Daya Instalasi	0,85
Faktor Daya yang Diinginkan	0,9
Kapasitor Diperlukan (kVAR)	39,676

INSTALASI KAPASITOR BANK

Kapasitor Dipasang (kVAR)	40
Faktor Daya Dihasilkan	0,9

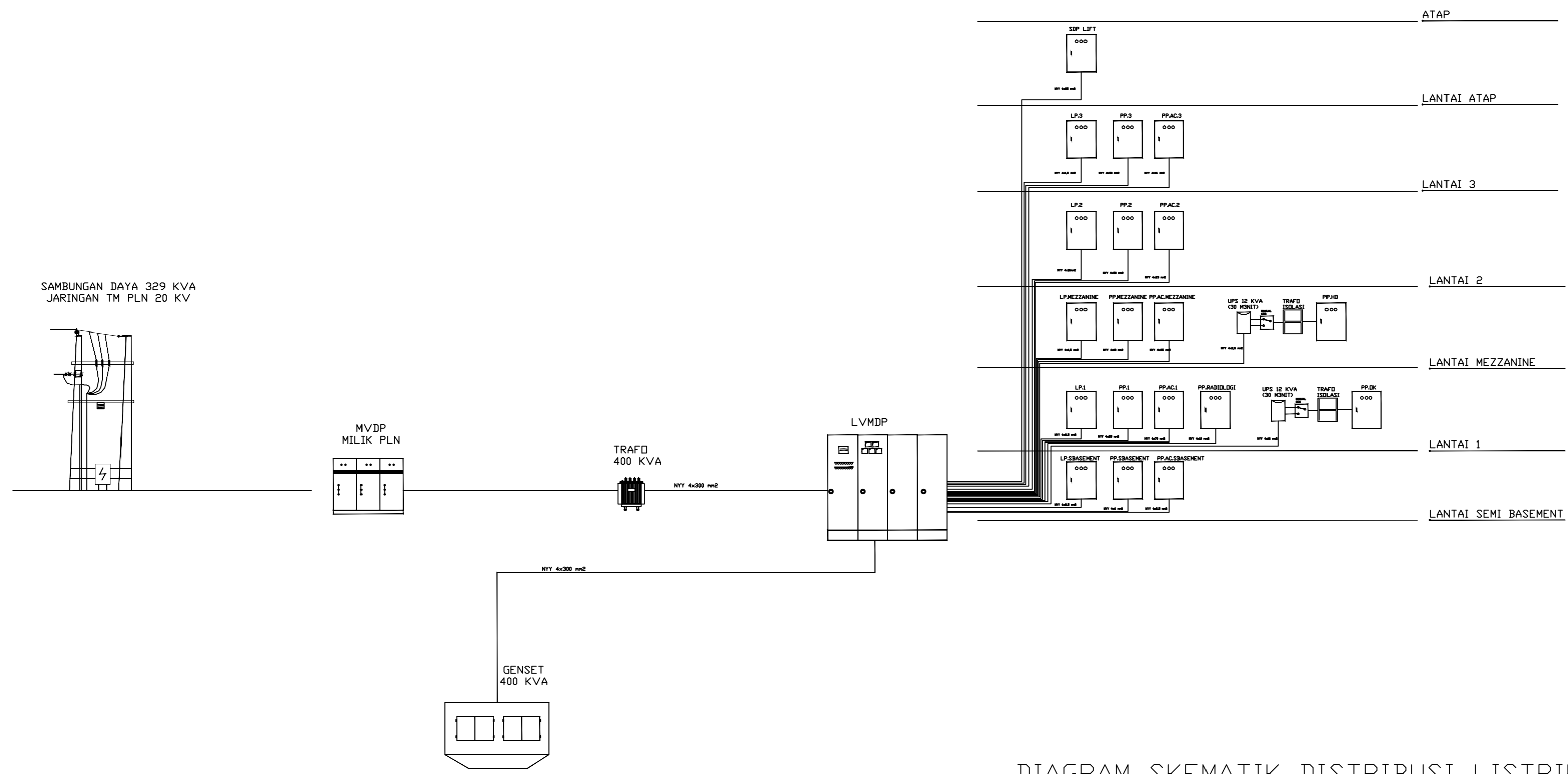
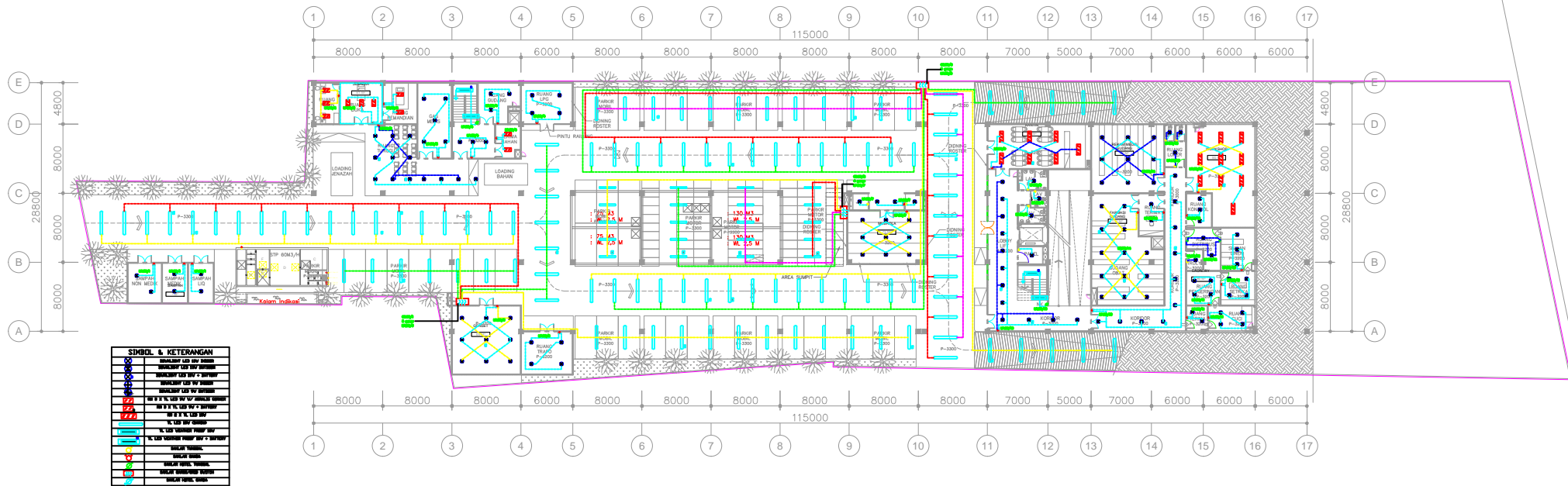


DIAGRAM SKEMATIK DISTRIBUSI LISTRIK

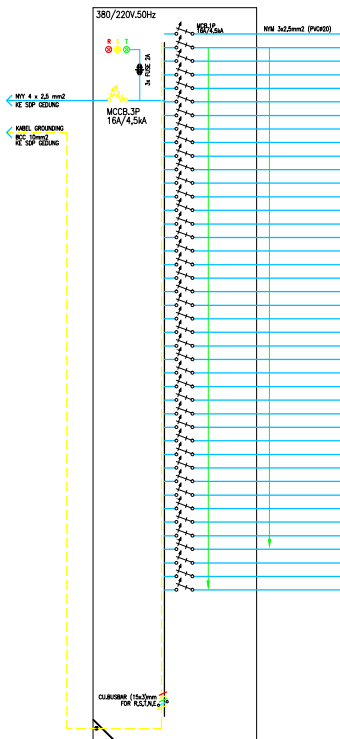


SIMBOL & KETERANGAN	
	REKAMPER LUBUK DINDING
	REKAMPER LUBUK DINDING
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	REKAMPER LUBUK DINDING

LP X/X
 NO GRUP (MCB) DI PANEL
 NAMA PANEL
 INSTALASI KOTAK KONTAK MENGGUNAKAN KABEL NYM 3X2,5mm²
 DALAM HIGH IMPACT CONDUCT 20mm

PENERANGAN LANTAI BASEMENT

LIGHTNING PANEL
LANTAI 1 (LP.1)

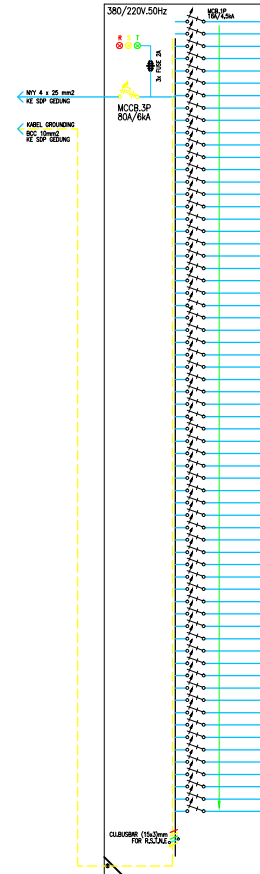


NO	FUNGSI	CIRCUIT BREAKER JML KUTUP TRIP AMP	Pencabahan					Total	Arus R (A)	Arus S (A)	Arus T (A)	Saklar Ganda	Saklar Tunggal	Saklar Rotor Onda	Saklar Rotor Tunggal	Drd Switsh / Saklar Gang
			DL LED 15W	RM 3x TL LED 9W	RM 2x TL LED 15W	TL LED WP 15W	TL LED (Ganda) 15W									
1	PEMBAYARAN	1 16	0	0	18	0	0	324	1,733			4				
2			12	0	0	0	0	156	0,834			2	3			
3			12	0	0	0	0	156	0,834			4	3			
4			3	0	4	0	0	111	0,594			1	3		1	
5			7	0	0	0	0	93		0,487		2	3			
6			12	0	0	0	0	156	0,834			2			2	
7			1	0	14	0	0	265	1,417			2	1			
8			10	2	0	0	0	148		0,791		1	5			
9			1	3	8	0	0	194	0,994			2	2			
10			7	1	0	0	0	100		0,535		1	5			
11			1	0	5	0	0	103		0,551		2	6			
12			10	0	0	0	0	180		0,895		2	3			
13			0	0	8	0	0	144	0,770			1	2			
14			0	0	0	6	0	108		0,578					3	
15			3	4	0	0	0	75		0,401		3	1			
16			0	8	0	0	0	72		0,385		4				
17			0	4	0	0	0	36		0,193		2				
18			2	0	2	0	0	62		0,332		1	4			
19			4	1	0	0	0	61		0,326		2	5			
20			8	4	0	0	0	140		0,749		2	3			
21			4	0	0	0	0	52		0,278		4				
22			5	1	0	0	0	74		0,396		2	1			
23			0	0	7	0	0	126	0,674			2				
24			5	0	0	0	0	65	0,348			5				
25			12	1	0	0	0	165	0,882			1	4			
26			0	4	1	0	0	54		0,289		1	3			
27			5	0	0	0	0	65		0,348		2	5			
28			6	0	0	0	0	78		0,417		2	2			
29			3	0	12	0	0	255	1,364			3				
30			2	1	1	0	0	53	0,288			4				
31			1	0	5	0	0	103	0,551			2	1			
32			29	0	0	0	0	377	2,016						1	
33			28	0	0	0	0	299	1,599							1
34			9	0	0	0	10	297	1,588							1
35			26	0	0	0	22	734	3,925							1
36			3	6	0	0	0	93	0,497			2				1
37			4	14	0	0	0	178	0,952			2	4			
38			4	14	0	0	0	178	0,952			2	4			
39			4	14	0	0	0	178	0,952			2	4			
40		SIRE														
41																
42																
			238	82	85	6	32	6046	10,295	10,743	10,594	70	77	0	6	4

TOTAL KVA	7,113
TOTAL WATT	6046

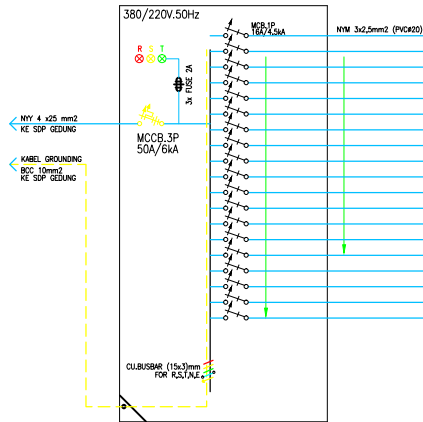
RENCANA SKEDUL BEBAN
LP.1
SKALA NTS

POWER PANEL
LANTAI 1 (PP.1)



NO	FUNGSI	CIRCUIT BREAKER JML KUTUP TRIP AMP	Kotak Kontak				Total	Arus R (A)	Arus S (A)	Arus T (A)
			K1	K2	K3	Ground (Lm 4)				
1			300				1,684			
2			400				2,139			
3			300				1,684			
4			500				2,674			
5			300				1,684			
6			200				1,070			
7			300				1,684			
8			200				1,070			
9			300				1,684			
10			400				2,139			
11			300				1,684			
12			500				2,674			
13			200				1,070			
14			300				1,684			
15			1000				5,343			
16			200				1,070			
17			300				1,684			
18			400				2,139			
19			300				1,684			
20			500				2,674			
21			200				1,070			
22			300				1,684			
23			1000				5,343			
24			200				1,070			
25			500				2,674			
26			2	300			1,684			
27			2	400			2,139			
28			2	300			1,684			
29			2	500			2,674			
30			2	200			1,070			
31			2	300			1,684			
32			2	400			2,139			
33			2	300			1,684			
34			2	500			2,674			
35			2	200			1,070			
36			2	300			1,684			
37			2	400			2,139			
38			2	300			1,684			
39			2	500			2,674			
40			2	200			1,070			
41			2	300			1,684			
42			2	400			2,139			
43			2	300			1,684			
44			2	500			2,674			
45			2	200			1,070			
46			2	300			1,684			
47			2	400			2,139			
48			2	300			1,684			
49			2	500			2,674			
50			2	200			1,070			
51			2	300			1,684			
52			2	400			2,139			
53			2	300			1,684			
54			2	500			2,674			
55			2	200			1,070			
56			2	300			1,684			
57			2	400			2,139			
58			2	300			1,684			
59			2	500			2,674			
60			2	200			1,070			
61			2	300			1,684			
62			2	400			2,139			
63			2	300			1,684			
64			2	500			2,674			
65			2	200			1,070			
66			2	300			1,684			
67			2	400			2,139			
68			2	300			1,684			
69			2	500			2,674			
70			2	200			1,070			
71			2	300			1,684			
72			2	400			2,139			
73			2	300			1,684			
74			2	500			2,674			
75			2	200			1,070			
76			2	300			1,684			
77			2	400			2,139			
78			2	300			1,684			
79			2	500			2,674			
80			2	200			1,070			
81			2	300			1,684			
82			2	400			2,139			
83			2	300			1,684			
84			2	500			2,674			
85			2	200			1,070			
86			2	300			1,684			
87			2	400			2,139			
88			2	300			1,684			
89			2	500			2,674			
90			2	200			1,070			
91			2	300			1,684			
92			2	400			2,139			
93			2	300			1,684			
94			2	500			2,674			
95			2	200			1,070			
96			2	300			1,684			
97			2	400			2,139			
98			2	300			1,684			
99			2	500			2,674			
100			2	200			1,070			
101			2	300			1,684			
102			2	400			2,139			
103			2	300			1,684			
104			2	500			2,674			
105			2	200			1,070			
106			2	300			1,684			
107			2	400			2,139			
108			2	300			1,684			
109			2	500			2,674			
110			2	200			1,070			
111			2	300			1,684			
112			2	400			2,139			
113			2							

POWER PANEL
LANTAI 1 (PP.OK)

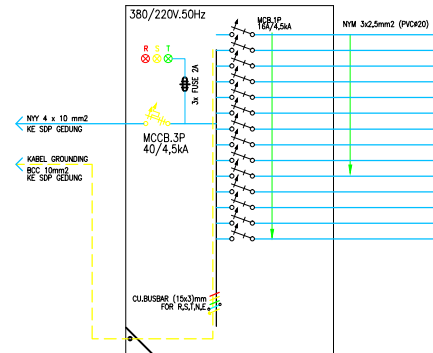


NO	FUNGSI	CIRCUIT BREAKER		Kotak Kontak				Total	Ansa R (A)	Ansa S (A)	Ansa T (A)
		JML KUTUB	TRIP AMP	KK Dinding	KK Lantai	KK 3 Fasa	Bedhead (isi 4)				
1	KOTAK KONTAK	1	16	1				100	0,535		
2				1				100	0,535		
3				1				100	0,535		
4				1				100	0,535		
5				1				100	0,535		
6				1				100	0,535		
7				1				100	0,535		
8				1				100	0,535		
9				1				100	0,535		
10					1			100	0,535		
11					1			100	0,535		
12					1			100	0,535		
13					1			100	0,535		
14						1		3000	16,043	16,043	16,043
15	SPARE					1		3000	16,043	16,043	16,043
16											
17											
18											
19											
9								7300	34,76	34,22	34,22

TOTAL KVA	8,588
TOTAL WATT	7300

RENCANA SKEDUL BEBAN
PP.OK
SKALA NTS

POWER PANEL
LANTAI 1 (PP.RADIO)



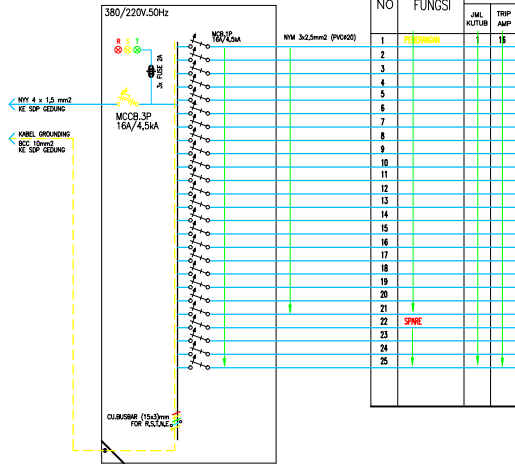
NO	FUNGSI	CIRCUIT BREAKER		Kotak Kontak				Total	Ansa R (A)	Ansa S (A)	Ansa T (A)
		JML KUTUB	TRIP AMP	KK Dinding	KK Lantai	KK 3 Fasa	Bedhead (isi 4)				
1	KOTAK KONTAK	1	16					6000			32,086
2								300	1,604		
3						2		4000			21,390
4						2		4000			21,390
5					4			400			2,139
6					2	2	1	800			4,278
7					4	1		500	2,674		
8					2			200	1,070		
9					3			300			1,604
10					1	4		500	2,674		
11	SPARE										
12											
13											
14											
15					11	7	1	17000	29,41	32,09	29,41

TOTAL KVA	20
TOTAL WATT	17000

RENCANA SKEDUL BEBAN
PP.RADIO
SKALA NTS

Schedule Beban PP.OK & PP.RADIOLOGI

LIGHTNING PANEL
LANTAI Mezzanine (LP.M)



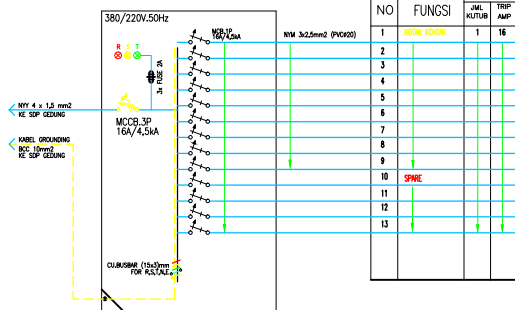
NO	FUNGSI	CIRCUIT BREAKER	
		JML KUTUB	TRIP AMP
1	LED 15W	1	16
2	LED 15W	1	16
3	LED 15W	1	16
4	LED 15W	1	16
5	LED 15W	1	16
6	LED 15W	1	16
7	LED 15W	1	16
8	LED 15W	1	16
9	LED 15W	1	16
10	LED 15W	1	16
11	LED 15W	1	16
12	LED 15W	1	16
13	LED 15W	1	16
14	LED 15W	1	16
15	LED 15W	1	16
16	LED 15W	1	16
17	LED 15W	1	16
18	LED 15W	1	16
19	LED 15W	1	16
20	LED 15W	1	16
21	LED 15W	1	16
22	SPARE		
23	SPARE		
24	SPARE		
25	SPARE		

Pencabayaan						Total	Anus R (A)	Anus S (A)	Anus T (A)	Saklar Ganda	Saklar Tunggal	Saklar Hotel Ganda	Saklar Hotel Tunggal	Ord Derah / Saklar Gang
DL LED 15W	RM 3 TL LED 9W	RM 3 TL LED 11W	TL LED WP 11W	TL LED (basin) 11W										
-	-	12	-	-	216	-	1,16	-	4					
-	-	13	-	-	234	-	-	1,25	3					
-	-	-	2	-	231	1,24	-	-	3				1	
-	-	20	-	-	360	-	1,93	-	2					
-	-	17	4	-	378	-	-	2,02	2				2	
25	-	-	-	-	299	-	1,60	-						1
6	-	-	-	-	78	0,42	-	-	1	6				
2	10	-	-	-	116	-	-	0,62	2	1				
-	5	-	-	-	45	0,24	-	-		5				
-	5	-	-	-	45	0,24	-	-		5				
4	-	-	-	-	52	0,28	-	-		4				
2	7	-	-	-	89	-	-	0,48	3	2				
1	4	-	-	-	49	0,26	-	-	2	1				
3	-	-	-	-	39	0,21	-	-		3				
2	1	-	-	-	35	-	-	0,19		3				
-	16	-	-	-	144	0,77	-	-						1
-	4	-	-	-	36	0,19	-	-		4				
-	4	-	-	-	36	0,19	-	-		4				
-	4	-	-	-	36	0,19	-	-		4				
3	1	-	-	-	48	0,26	-	-		4				
61	65	62	6	0	3802	4,6791	4,6791	4,5561	21	50	0	3	2	

TOTAL KVA	18,353
TOTAL WATT	2602

RENCANA SKEDUL BEBAN
LP.M
SKALA NTS

POWER PANEL
LANTAI Mezzanine (PP.HD)



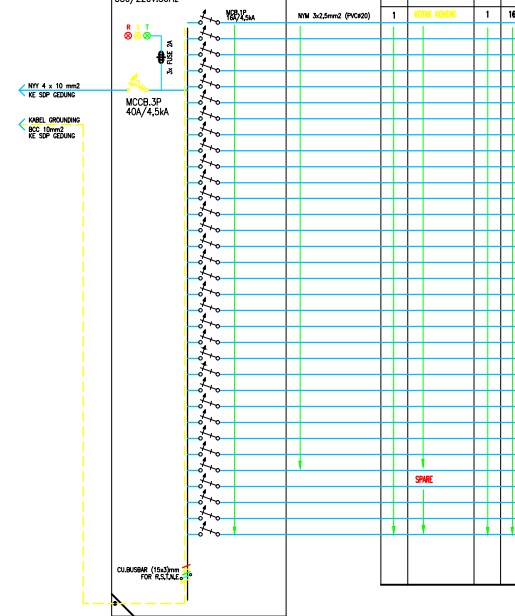
NO	FUNGSI	CIRCUIT BREAKER	
		JML KUTUB	TRIP AMP
1	KOKOR KOKOR	1	16
2	KOKOR KOKOR	1	16
3	KOKOR KOKOR	1	16
4	KOKOR KOKOR	1	16
5	KOKOR KOKOR	1	16
6	KOKOR KOKOR	1	16
7	KOKOR KOKOR	1	16
8	KOKOR KOKOR	1	16
9	KOKOR KOKOR	1	16
10	SPARE		
11	SPARE		
12	SPARE		
13	SPARE		

Kotak Kontak				Total	Anus R (A)	Anus S (A)	Anus T (A)
KK Dinding	KK Lantai	Bedbed (in 4)					
2	2	1000	5,348				
2	2	1000	5,348				
2	2	1000	5,348				
2	2	1000	5,348				
2	2	1000	5,348				
2	2	1000	5,348				
2	2	1000	5,348				
2	2	1000	5,348				
2	2	1000	5,348				
2	2	1000	5,348				
18	0	18	9000	16,043	16,043	16,043	

TOTAL KVA	10,588
TOTAL WATT	9000

RENCANA SKEDUL BEBAN
LP.HD
SKALA NTS

POWER PANEL
LANTAI Mezzanine (PP.M)



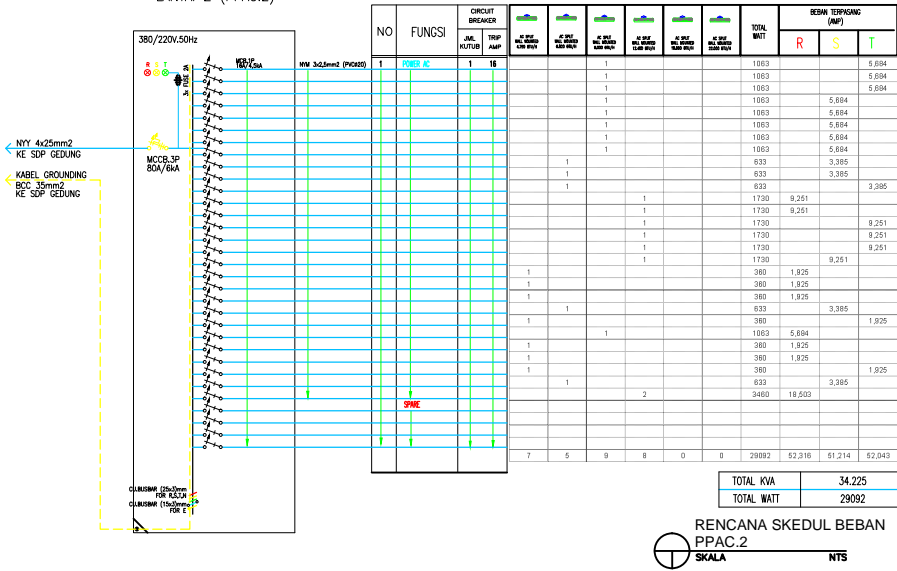
NO	FUNGSI	CIRCUIT BREAKER		Kotak Kontak			Total	Anus R (A)	Anus S (A)	Anus T (A)
		JML KUTUB	TRIP AMP	KK Dinding	KK Lantai	Bedbed (in 4)				
1	KOKOR KOKOR	1	16	1	4	500			2,674	
1	KOKOR KOKOR	1	16	1	4	500			2,674	
1	KOKOR KOKOR	1	16	1	4	500			2,674	
1	KOKOR KOKOR	1	16	1	4	500			2,674	
1	KOKOR KOKOR	1	16	1	4	500			2,674	
1	KOKOR KOKOR	1	16	1	4	500			2,674	
4	KOKOR KOKOR	1	16	4	400				2,139	
4	KOKOR KOKOR	1	16	4	400				2,139	
4	KOKOR KOKOR	1	16	4	400				2,139	
3	KOKOR KOKOR	1	16	3	300				1,604	
7	KOKOR KOKOR	1	16	7	700				3,743	
4	KOKOR KOKOR	1	16	4	400				2,139	
5	KOKOR KOKOR	1	16	5	500				2,674	
5	KOKOR KOKOR	1	16	5	500				2,674	
5	KOKOR KOKOR	1	16	5	500				2,674	
3	KOKOR KOKOR	1	16	3	300				1,604	
2	KOKOR KOKOR	1	16	2	200				1,070	
3	KOKOR KOKOR	1	16	3	300				1,604	
2	KOKOR KOKOR	1	16	2	2	1000			5,348	
2	KOKOR KOKOR	1	16	2	2	1000			5,348	
2	KOKOR KOKOR	1	16	2	2	1000			5,348	
2	KOKOR KOKOR	1	16	2	2	1000			5,348	
4	KOKOR KOKOR	1	16	4	400				2,139	
6	KOKOR KOKOR	1	16	6	600				3,209	
3	KOKOR KOKOR	1	16	3	1	400			2,139	
4	KOKOR KOKOR	1	16	4		400			2,139	
1	KOKOR KOKOR	1	16	1	3	400			2,139	
4	KOKOR KOKOR	1	16	4	1	500			2,674	
69				47	10	15600			28,342	27,273

TOTAL KVA	18,353
TOTAL WATT	15600

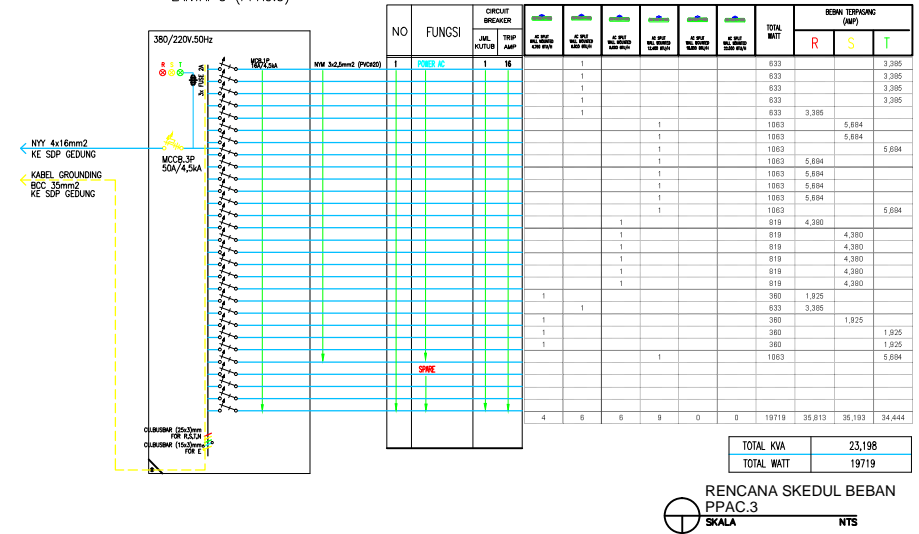
RENCANA SKEDUL BEBAN
PP.M
SKALA NTS

Schedule Beban Lantai Mezzanine

POWER PANEL AC
LANTAI 2 (PPAC.2)



POWER PANEL AC
LANTAI 3 (PPAC.3)



Schedule Beban PPAC.2 & PPAC.3