

LAMPIRAN

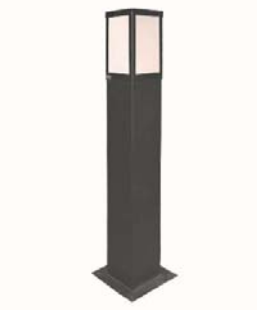




Lampiran 1 Gambar Penerangan & Kotak kontak

No	Gambar	Keterangan
1		Downlight LED Inbow (Cover Putih Susu)
2		Downlight Outbow
3		Spotlight LED
4		LED Light Panel
5		TL LED Battens

Lampiran 2 Gambar Penerangan & Kotak kontak (lanjutan)

No	Gambar	Keterangan
6		Baret Circular LED
7		Round Wall Lamp
8		Lampu Tube
9		Lampu Bohlam LED

Lampiran 3 Gambar Penerangan & Kotak kontak (lanjutan)

No	Gambar	Keterangan
10		Lampu Taman Pilar Kotak
11		Sakelar Tunggal
12		Sakelar Ganda
13		Sakelar <i>Grid Switch</i> 5 Gang
14		Sakelar <i>Grid Switch</i> 6 Gang

Lampiran 4 Gambar Penerangan & Kotak kontak (lanjutan)






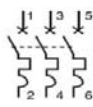
No	Gambar	Keterangan
15		Kotak Kontak Dinding
16		Kotak Kontak Lantai

Lampiran 5 Simbol dan keterangan

SIMBOL & KETERANGAN	
	DOWNLIGHT LED 12W (COVER PUTIH SUSU)
	DOWNLIGHT LED 12W (COVER PUTIH SUSU) + BATTERY
	DOWNLIGHT LED SPOT 5W
	BARET LED 12W
	BARET LED 12W + BATTERY
	LAMPU BEDHEAD TL LED 9W
	TL LED 18W (ARMATUR BALK OVAL / BAMBUI)
	TL LED 18W (ARMATUR BALK OVAL / BAMBUI) + BATTERY
	TL LED WEATHER PROOF 18W
	TL LED WEATHER PROOF 18W + BATTERY
	LED LIGHT PANEL 36W (PxL = 1200x300mm)
	LED LIGHT PANEL 36W (PxL = 1200x300mm) + BATTERY
	LAMPU EXIT 1 MUKA LED 10W
	EMERGENCY KIT (NICAD BATTERY)
	SAKLAR GANDA
	SAKLAR TUNGGAL
	SAKLAR HOTEL GANDA
	SAKLAR HOTEL TUNGGAL
	SAKLAR GANGS/GRID SWITCH

SIMBOL & KETERANGAN	
	KOTAK KONTAK DINDING 1 FASA (L=40CM)
	KOTAK KONTAK DINDING 1 FASA (L=150CM)
	KOTAK KONTAK LANTAI 1 FASA
	KOTAK KONTAK BEDHEAD (SI 3 BLAH) 1 FASA
	KOTAK KONTAK BEDHEAD (SI 5 BLAH) 1 FASA
	KOTAK KONTAK BEDHEAD/PENJANTI (SI 6 BLAH) 1 FASA

Lampiran 6 Brosur MCB Schenider Electric

	Jumlah Kutub	Pengenal (A)	Referensi	Harga (Rp)	SS		
 <p>MCB Domae 1 Kutub</p>	<p>1 Kutub</p> 	2	DOM12261SNI	81,950	1		
		4	DOM12262SNI	81,950	1		
		6	DOM11340SNI	86,550	1		
		10	DOM11341SNI	66,550	1		
		16	DOM11342SNI	66,550	1		
		20	DOM11343SNI	86,550	1		
		25	DOM11344SNI	75,350	1		
		32	DOM11345SNI	78,100	1		
		40	DOM11346SNI	89,650	1		
		50	DOM11338SNI	200,750	1		
		63	DOM11336SNI	200,750	1		
		 <p>MCB Domae 2 Kutub</p>	<p>2 Kutub</p> 	2	DOM11229SNI	229,900	1
				4	DOM11229SNI	229,900	1
6	DOM11230SNI			190,850	1		
10	DOM11231SNI			190,850	1		
16	DOM11232SNI			190,850	1		
20	DOM11233SNI			190,850	1		
25	DOM11234SNI			220,000	1		
32	DOM11235SNI			227,700	1		
40	DOM11236SNI			227,700	1		
50	DOM11237SNI			426,250	1		
63	DOM11238SNI			426,250	1		
 <p>MCB Domae 3 Kutub</p>	<p>3 Kutub</p> 			6	DOM11347SNI	313,500	1
				10	DOM11348SNI	313,500	1
		16	DOM11349SNI	313,500	1		
		20	DOM11350SNI	313,500	1		
		25	DOM11351SNI	331,650	1		
		32	DOM11352SNI	364,100	1		
		40	DOM11353SNI	375,650	1		
		50	DOM11337SNI	710,600	1		
		63	DOM11336SNI	710,600	1		

Lampiran 7 Brosur MCCB Easy Pact Schenider Electric

scan QR code
untuk Data sheet



EZC100, 3P



EZC100, 4P

EasyPact	I _r (A)	3P	Harga (Rp)	SS	4P	Harga (Rp)	SS
EasyPact Ezc100B (7.5 kA @415V AC)							
EZC100B	15	EZC100B3015	658,900	1			
EZC100B	20	EZC100B3020	658,900	1			
EZC100B	25	EZC100B3025	658,900	1			
EZC100B	30	EZC100B3030	658,900	1			
EZC100B	40	EZC100B3040	658,900	1			
EZC100B	50	EZC100B3050	658,900	1			
EZC100B	60	EZC100B3060	718,300	1			
EasyPact Ezc100F (10 kA @415V AC)							
EZC100F	15	EZC100F3015	703,450	1			
EZC100F	20	EZC100F3020	703,450	1			
EZC100F	25	EZC100F3025	703,450	1			
EZC100F	30	EZC100F3030	703,450	1			
EZC100F	40	EZC100F3040	703,450	1			
EZC100F	50	EZC100F3050	703,450	1			
EZC100F	60	EZC100F3060	778,250	1			
EZC100F	75	EZC100F3075	778,250	1			
EZC100F	80	EZC100F3080	778,250	1			
EZC100F	100	EZC100F3100	778,250	1			
EasyPact Ezc100N (18 kA @380V AC / 15 kA @415V AC / 5 kA @125V DC; 250V DC)							
EZC100N	15	EZC100N3015	871,200	1	EZC100N4015	1,472,900	2
EZC100N	20	EZC100N3020	871,200	1	EZC100N4020	1,472,900	2
EZC100N	25	EZC100N3025	871,200	1	EZC100N4025	1,472,900	2
EZC100N	30	EZC100N3030	871,200	1	EZC100N4030	1,472,900	2
EZC100N	40	EZC100N3040	871,200	1	EZC100N4040	1,472,900	2
EZC100N	50	EZC100N3050	871,200	1	EZC100N4050	1,472,900	2
EZC100N	60	EZC100N3060	951,500	1	EZC100N4060	1,608,200	2
EZC100N	75	EZC100N3075	951,500	1	EZC100N4075	1,608,200	2
EZC100N	80	EZC100N3080	951,500	1	EZC100N4080	1,608,200	2
EZC100N	100	EZC100N3100	951,500	1	EZC100N4100	1,608,200	2
EasyPact Ezc100H (30 kA @415V AC / 10 kA @125V DC; 250V DC)							
EZC100H	15	EZC100H3015	1,005,400	1	EZC100H4015	1,529,000	2
EZC100H	20	EZC100H3020	1,005,400	1	EZC100H4020	1,529,000	2
EZC100H	25	EZC100H3025	1,005,400	1	EZC100H4025	1,529,000	2
EZC100H	30	EZC100H3030	1,005,400	1	EZC100H4030	1,529,000	2
EZC100H	35	EZC100H3035	1,005,400	1			
EZC100H	40	EZC100H3040	1,005,400	1	EZC100H4040	1,529,000	2
EZC100H	50	EZC100H3050	1,005,400	1	EZC100H4050	1,529,000	2
EZC100H	60	EZC100H3060	1,105,500	1	EZC100H4060	1,725,900	2
EZC100H	75	EZC100H3075	1,105,500	1	EZC100H4075	1,725,900	2
EZC100H	80	EZC100H3080	1,105,500	1	EZC100H4080	1,725,900	2
EZC100H	100	EZC100H3100	1,105,500	1	EZC100H4100	1,725,900	2

Lampiran 8 Brosur MCCB Easy Pact Schenider Electric (lanjutan)

Code
Data sheet



Ezc250, 3P

EasyPact	Ir (A)	2P	Harga (Rp)	SS	3P	Harga (Rp)	SS
EasyPact Ezc250F (18 kA @415V AC / 5 kA @125V DC; 250V DC)							
Ezc250F	100				Ezc250F3100	1,521,300	1
Ezc250F	125				Ezc250F3125	1,557,600	1
Ezc250F	160				Ezc250F3160	1,600,500	1
Ezc250F	200				Ezc250F3200	1,685,200	1
Ezc250F	225				Ezc250F3225	1,685,200	1
Ezc250F	250				Ezc250F3250	1,685,200	1
EasyPact Ezc250N (25 kA @415V AC / 10 kA @125V DC; 250V DC)							
Ezc250N	100				Ezc250N3100	1,620,300	1
Ezc250N	125				Ezc250N3125	1,697,300	1
Ezc250N	160				Ezc250N3160	1,769,900	1
Ezc250N	200				Ezc250N3200	2,104,300	1
Ezc250N	225				Ezc250N3225	2,104,300	1
Ezc250N	250				Ezc250N3250	2,104,300	1
EasyPact Ezc250H (36 kA @415V AC / 30 kA @125V DC; 250V DC)							
Ezc250H	100	Ezc250H2100	1,787,500	2	Ezc250H3100	1,881,000	1
Ezc250H	125	Ezc250H2125	1,843,600	2	Ezc250H3125	1,940,400	1
Ezc250H	160	Ezc250H2160	1,999,800	2	Ezc250H3160	2,104,300	1
Ezc250H	200	Ezc250H2200	2,079,000	2	Ezc250H3200	2,187,900	1
Ezc250H	225	Ezc250H2225	2,079,000	2	Ezc250H3225	2,187,900	1
Ezc250H	250	Ezc250H2250	2,079,000	2	Ezc250H3250	2,187,900	1



Ezc250, 4P

EasyPact	Ir (A)	4P	Harga (Rp)	SS
EasyPact Ezc250N (25 kA @415V AC / 10 kA @125V DC; 250V DC)				
Ezc250N	100	Ezc250N4100	2,229,700	2
Ezc250N	125	Ezc250N4125	2,329,800	2
Ezc250N	160	Ezc250N4160	2,420,000	2
Ezc250N	200	Ezc250N4200	2,611,400	2
Ezc250N	225	Ezc250N4225	2,611,400	2
Ezc250N	250	Ezc250N4250	2,611,400	2
EasyPact Ezc250H (36 kA @415V AC / 30 kA @125V DC; 250V DC)				
Ezc250H	100	Ezc250H4100	2,619,100	2
Ezc250H	125	Ezc250H4125	2,619,100	2
Ezc250H	160	Ezc250H4160	2,909,500	2
Ezc250H	200	Ezc250H4200	3,036,000	2
Ezc250H	225	Ezc250H4225	3,036,000	2
Ezc250H	250	Ezc250H4250	3,036,000	2

Data sheet



EZCV250, 3P



EZCV250, 4P

EasyPact	Ir (A)	3P	Harga (Rp)	SS	4P	Harga (Rp)	SS
EasyPact EZCV250N (25 kA @415V AC)							
EZCV250N	100	EZCV250N3100	4,287,800	2	EZCV250N4100	6,002,700	2
EZCV250N	125	EZCV250N3125	4,887,300	2	EZCV250N4125	6,843,100	2
EZCV250N	160	EZCV250N3160	5,473,600	2	EZCV250N4160	7,459,100	2
EZCV250N	200	EZCV250N3200	5,636,400	2	EZCV250N4200	7,888,100	2
EZCV250N	225	EZCV250N3225	5,636,400	2	EZCV250N4225	7,888,100	2
EZCV250N	250	EZCV250N3250	5,636,400	2	EZCV250N4250	7,888,100	2
EasyPact EZCV250H (36 kA @415V AC)							
EZCV250H	100	EZCV250H3100	5,371,300	2	EZCV250H4100	6,245,800	2
EZCV250H	125	EZCV250H3125	5,475,800	2	EZCV250H4125	7,161,000	2
EZCV250H	160	EZCV250H3160	5,588,000	2	EZCV250H4160	7,659,300	2
EZCV250H	200	EZCV250H3200	6,109,400	2	EZCV250H4200	8,061,900	2
EZCV250H	225	EZCV250H3225	6,109,400	2	EZCV250H4225	8,061,900	2
EZCV250H	250	EZCV250H3250	6,109,400	2	EZCV250H4250	8,061,900	2

EasyPact EZC400-630 N/H

- Aplikasi untuk instalasi listrik dengan kapasitas pemutusan rendah.
- Kapasitas Pemutusan : 36 kA s/d 50 kA pada 380/415 VAC .
- Thermal magnetic trip unit, tidak dapat disetel (*non adjustable*).
- Fixed type, front connection.
- Satu ukuran (*frame size*) untuk semua rating.
- Memenuhi standar IEC 60947-2.



EZC400-630

EasyPact	Ir (A)	3P	Harga (Rp)	SS	4P	Harga (Rp)	SS
EasyPact EZC400N (36 kA @415V AC)							
EZC400N	300	EZC400N3300	3,646,500	1			
EZC400N	320	EZC400N3320N	3,646,500	1	EZC400N4320N	5,399,900	2
EZC400N	350	EZC400N3350N	3,790,600	1	EZC400N4350N	5,616,600	2
EZC400N	400	EZC400N3400N	3,943,500	1	EZC400N4400N	6,010,400	2
EasyPact EZC630N (36 kA @415V AC)							
EZC630N	500	EZC630N3500N	6,671,500	2	EZC630N4500N	7,854,500	2
EZC630N	600	EZC630N3600N	7,340,300	2	EZC630N4600N	8,641,500	2
EasyPact EZC400H (50 kA @415V AC)							
EZC400H	320	EZC400H3320N	4,505,600	2	EZC400H4320N	6,251,300	2
EZC400H	350	EZC400H3350N	4,598,000	2	EZC400H4350N	6,498,800	2
EZC400H	400	EZC400H3400N	4,781,700	1	EZC400H4400N	6,955,300	2
EasyPact EZC630H (50 kA @415V AC)							
EZC630H	500	EZC630H3500N	7,414,000	2	EZC630H4500N	8,895,000	2
EZC630H	600	EZC630H3600N	8,506,300	2	EZC630H4600N	9,785,000	2

Lampiran 9 Brosur ACB Masterpact Schenider Electric



ET 2.0A/5.0A/6.0A

	In (A)	Icu (kA)	3P Referensi	Harga	SS	4P Referensi	Harga	SS
Tipe fixed								
MVS08	800	50	MVS08N3MF2A	25,282,400	2	MVS08N4MF2A	31,050,800	2
MVS10	1000	50	MVS10N3MF2A	27,149,100	1	MVS10N4MF2A	33,289,300	2
MVS12	1250	50	MVS12N3MF2A	27,687,000	1	MVS12N4MF2A	34,217,700	1
MVS16	1600	50	MVS16N3MF2A	31,029,900	1	MVS16N4MF2A	38,757,400	1
MVS20	2000	50	MVS20N3MF2A	35,338,600	1	MVS20N4MF2A	46,216,500	2
MVS25	2500	50	MVS25N3MF2A	45,666,500	1	MVS25N4MF2A	54,096,900	2
MVS32	3200	50	MVS32N3MF2A	50,512,000	2	MVS32N4MF2A	63,897,900	2
MVS40	4000	50	MVS40N3MF2A	90,286,900	2	MVS40N4MF2A	108,044,200	2
Tipe drawout								
MVS08	800	50	MVS08N3MD2A	33,532,400	2	MVS08N4MD2A	49,750,800	2
MVS10	1000	50	MVS10N3MD2A	35,399,100	2	MVS10N4MD2A	52,319,300	2
MVS12	1250	50	MVS12N3MD2A	35,937,000	2	MVS12N4MD2A	54,567,700	2
MVS16	1600	50	MVS16N3MD2A	46,099,900	2	MVS16N4MD2A	59,107,400	2
MVS20	2000	50	MVS20N3MD2A	52,058,600	2	MVS20N4MD2A	71,516,500	2
MVS25	2500	50	MVS25N3MD2A	62,386,500	2	MVS25N4MD2A	83,246,900	2
MVS32	3200	50	MVS32N3MD2A	67,232,000	2	MVS32N4MD2A	93,047,900	2
MVS40	4000	50	MVS40N3MD2A	117,786,900	2	MVS40N4MD2A	146,544,200	2

Lampiran 10 Brosur Box Panel Wall Mounted Schenider Electric



Tinggi	Ukuran (mm)			Jumlah		Referensi	Harga (Rp)	SS
	Lebar	Dalam		Lock*	Pintu			
300	200	150		1	1	NSYS3X3215	4,166,000	2
	250	150		1	1	NSYS3X302515	4,216,000	2
	300	150		1	1	NSYS3X3315	5,463,000	2
400	300	150		1	1	NSYS3X4315	5,573,000	2
		200		1	1	NSYS3X4320	6,469,000	2
		200		1	1	NSYS3X4320T	7,905,000	2
400	200	200		1	1	NSYS3X4420	6,559,000	2
	600	200		1	1	NSYS3X4620	10,391,000	2
	500	400	200	2	1	NSYS3X6420	7,560,000	2
600		200		2	1	NSYS3X6420T	10,037,000	2
	400	200		2	1	NSYS3X6420	8,231,000	2
		200		2	1	NSYS3X6420T	10,065,000	2
600	600	250		2	1	NSYS3X6625	13,791,000	2
		250		2	1	NSYS3X6625H	16,920,000	2
	1000	300		***	2	NSYS3X601030	53,834,000	2
700	1200	300		***	2	NSYS3X601230	45,305,000	2
	500	250		2	1	NSYS3X7525	15,533,000	2
		250		2	1	NSYS3X7525T	18,186,000	2
800	600	250		2	1	NSYS3X8625	18,537,000	2
		250		2	1	NSYS3X8625T	24,488,000	2
	800	300		2	1	NSYS3X8830	26,390,000	2
1000	1200	300		***	2	NSYS3X801230	79,867,000	2
	800	300		2	1	NSYS3X10830	22,485,000	2
		300		2	1	NSYS3X10830T	27,450,000	2
1200	1000	300		***	2	NSYS3X101030	42,186,000	2
	800	300		2	1	NSYS3X12830	25,655,000	2
	1000	300		***	2	NSYS3X121030	49,692,000	2

Lampiran 11 Brosur kabel NYM 3x (1,5 – 35) mm² 300/500 V

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	0.010	0.329	19	0.17
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

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

Lampiran 12 Brosur kabel NYY 4x (1,5 – 400) mm² 0,6/1 kV

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)		Capacity		
				In air Max. (A)	In ground 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

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

Lampiran 13 Brosur kabel NYY 1x (1,5 – 800) mm² 0,6/1 kV

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	AC Resistance at 70°C	Trefoil formation	Flat formation	In air		In ground		
					Max. (A)	Max. (A)	Max. (A)	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

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

Lampiran 14 Brosur kabel N2XY (FRC) 4x (1,5 – 300) mm² 0,6/1 kV

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	AC Resistance at 90°C		In air		
				Max. (A)	Max. (A)	
1.5	12.1	15.429	0.315	27	31	0.21
2.5	7.41	9.449	0.293	35	41	0.36
4	4.61	5.878	0.275	47	53	0.57
6	3.08	3.927	0.263	59	67	0.86
10	1.83	2.334	0.246	81	89	1.43
16	1.15	1.467	0.238	108	116	2.29
25	0.727	0.927	0.240	146	151	3.58
35	0.524	0.669	0.233	180	181	5.01
50	0.387	0.494	0.232	212	208	7.15
70	0.268	0.343	0.229	265	254	10.01
95	0.193	0.247	0.224	327	305	13.59
120	0.153	0.197	0.223	379	347	17.16
150	0.124	0.160	0.224	442	392	21.45
185	0.0991	0.129	0.225	504	441	26.46
240	0.0754	0.099	0.223	597	511	34.32
300	0.0601	0.081	0.221	685	576	42.90

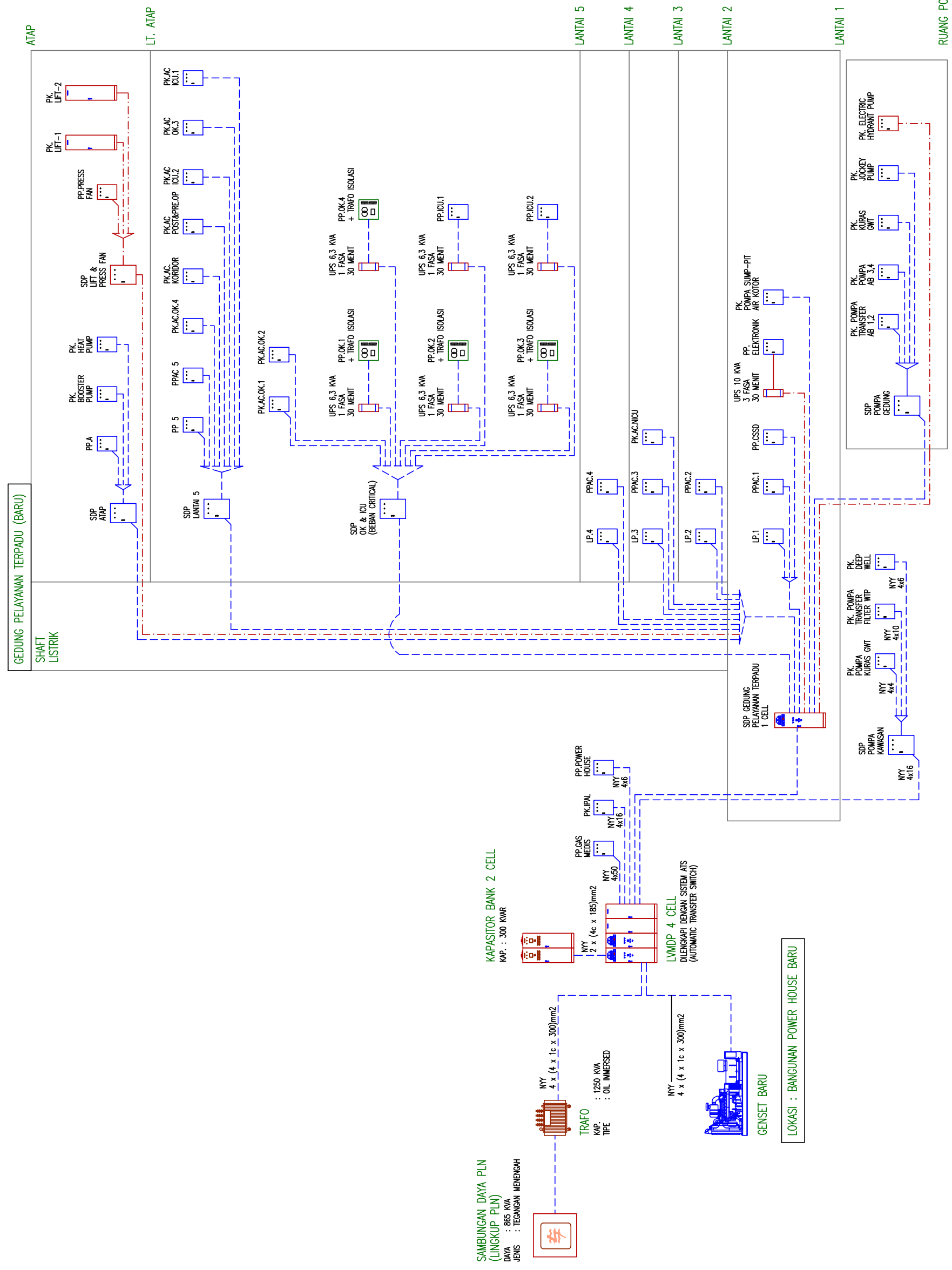
* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

Lampiran 15 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	2.0	2.8961	2,000
10	1 / 3.50	9.6	3.50	88	3.0	1.8545	2,000
10	7 / 1.35	10.0	4.05	91	3.3	1.8160	2,000
16	7 / 1.70	15.9	5.10	144	5.2	1.1452	2,000
25	7 / 2.10	24.2	6.30	220	7.9	0.7504	2,000
35	7 / 2.50	34.4	7.50	312	11.1	0.5296	2,000
50	19 / 1.80	48.3	9.00	441	15.8	0.3781	2,000
70	19 / 2.10	65.8	10.50	600	21.4	0.2778	2,000
95	19 / 2.50	93.3	12.50	851	30.0	0.1961	2,000
120	19 / 2.80	117.0	14.00	1,067	37.4	0.1563	2,000
150	37 / 2.25	147.1	15.75	1,342	47.6	0.1243	2,000
185	37 / 2.50	181.6	17.50	1,657	58.5	0.1007	2,000
240	61 / 2.25	242.5	20.25	2,213	78.5	0.0754	2,000
300	61 / 2.50	299.4	22.50	2,732	96.4	0.0611	1,000
400	61 / 2.89	400.1	28.01	3,650	127.7	0.0457	1,000
500	61 / 3.23	499.8	29.07	4,560	158.6	0.0366	1,000

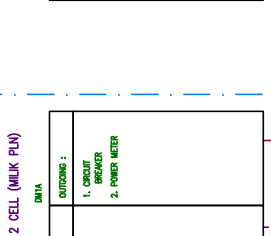
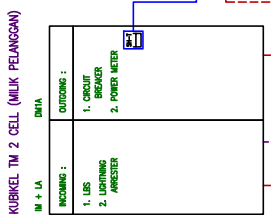
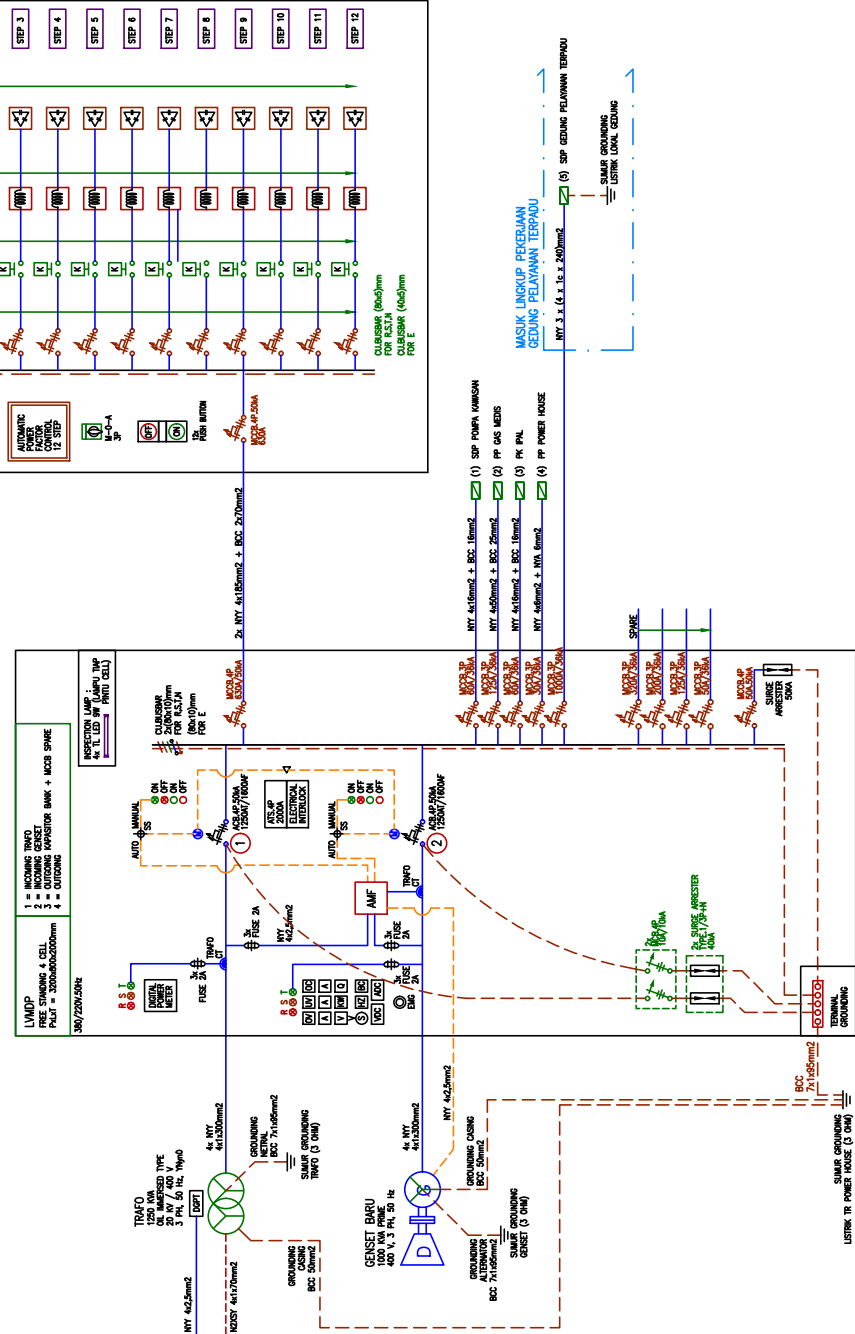
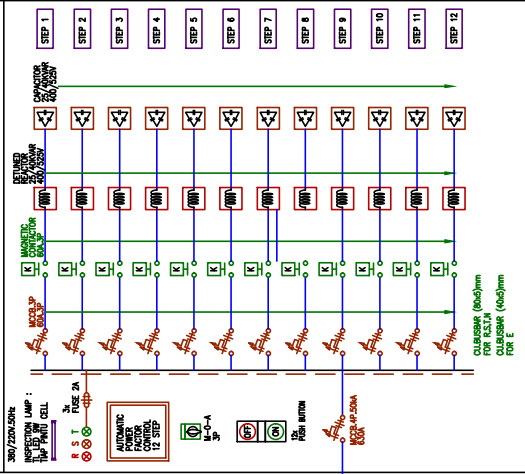
Lampiran 16
Diagram Skematik Distribusi Listrik



Lampiran 17
Skedul Beban & Wiring Diagram
Panel Listrik

CAPASITOR BANK
 KAPASITAS TOTAL : 300 KVAR 480 KVAR
 400 V 525 V

LENGKAP DENGAN :
 1) 12 x KAPASITOR 25 KVAR
 2) 12 x KAPASITOR 25 KVAR
 3) PANEL ALIRAN KAPASITOR
 4) PANEL ALIRAN KAPASITOR
 5) PANEL ALIRAN KAPASITOR



SKEMBAH OPERASIONAL SISTEM LISTRIK (MATRIX KEBA SISTEM ATS)

NO.	KETERANGAN	MODE-1 IN PLN	MODE-2 IN GSESET
1.	KONDISI NORMAL (PLN ON)	1	0
2.	KONDISI EMERGENCY (PLN OFF)	0	1

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

SKEDUL BEBAN LISTRIK PENGEMBANGAN RUMAH SAKIT

NO	PANEL	BEBAN TERSAMBUNG				FK %	BEBAN NORMAL				BEBAN EMERGENCY						
		(KVA)	(KW)	R	S		T	(KVA)	(KW)	R	S	T	(KVA)	(KW)	R	S	T
1	SDP POMPA KAWASAN	30,7	21,5	46,5	46,5	0,77	23,7	16,6	35,9	35,9	35,9	-	-	-	-	-	-
2	PP GAS MEDIS	57,1	40,0	86,6	86,6	0,5	28,6	20,0	43,3	43,3	43,3	-	-	-	-	-	-
3	PK IPAL	25,7	18,0	39,0	39,0	0,7	18,0	12,6	27,3	27,3	27,3	-	-	-	-	-	-
4	PP POWER HOUSE	6,8	5,0	10,4	10,4	0,8	5,5	4,0	8,3	8,3	8,3	-	-	-	-	-	-
5	SDP GEDUNG PELAYANAN TERPADU	1211,0	874,0	1833,1	1834,6	0,59	718,7	522,7	1087,4	1089,3	1090,5	203,3	140,4	308,1	308,1	308,1	308,1

1331,4	958,5	2015,5	2017,0	2019,9		794,4	575,9	1202,2	1204,1	1205,3	203,3	140,4	308,1	308,1	308,1	308,1
KVA	KW	A	A	A	A	KVA	KW	A	A	A	KVA	KW	A	A	A	A

TOTAL BEBAN LISTRIK NORMAL TOTAL BEBAN LISTRIK EMERGENCY

TOTAL KVA	794,4	TOTAL KVA	203,3
TOTAL KW	575,9	TOTAL KW	140,4

PERBAIKAN FAKTOR DAYA

Faktor Daya Instalasi	0,72
Faktor Daya Yang Diinginkan (Dikondisikan)	0,90
Kapasitor Diperlukan (KVAR)	268,3

INSTALASI KAPASITOR BANK

Total Kapasitor Dipasang (KVAR)	360,0
Kapasitas Maksimal Yang Diaktifkan (KVAR)	300,0
Faktor Daya Dihasilkan	0,92

BEBAN NORMAL DENGAN KAP. BANK

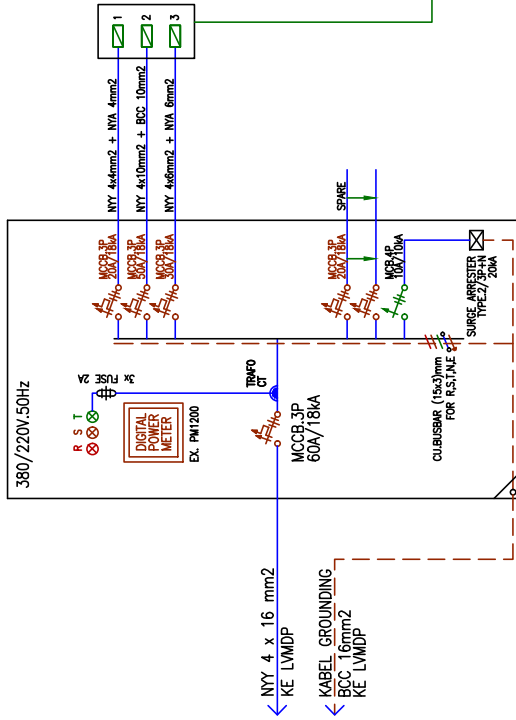
S	P	R	S	T
626,7	575,9	948,4	949,9	950,9
KVA	KW	A	A	A

BEBAN LISTRIK NORMAL DENGAN KAP. BANK

TOTAL KVA	626,7
TOTAL KW	575,9



SUB DISTRIBUTION PANEL
POMPA KAWASAN
(SDP POMPA KAWASAN)
UK: 60 x 80 x 30CM



SKEDUL BEBAN SDP POMPA KAWASAN

NO	PANEL	FUNGSI	BEBAN TERSAMBUNG				BEBAN NORMAL						
			(KVA)	(KW)	R	S	T	(KVA)	(KW)	R	S	T	
1	PK KURAS GWT	POWER POMPA KURAS GWT	2,9	2,0	4,3	4,3	4,3	0,5	1,4	1,0	2,2	2,2	2,2
2	PK TRANSFER FILTER	POWER FILTER WTP	18,6	13,0	28,1	28,1	28,1	0,7	13,0	9,1	19,7	19,7	19,7
3	PK DEEPWELL	POWER POMPA DEEPWELL	9,3	6,5	14,1	14,1	14,1	1,0	9,3	6,5	14,1	14,1	14,1
			30,7	21,5	46,5	46,5	46,5		23,7	16,6	35,9	35,9	35,9
			KVA	KW	A	A	A		KVA	KW	A	A	A

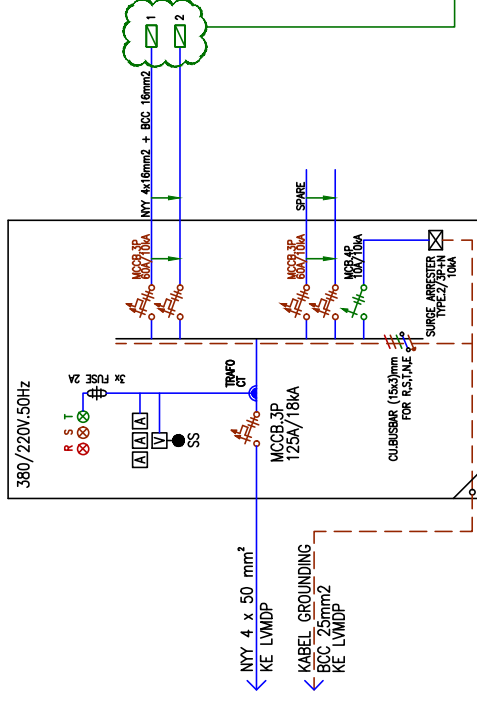
BEBAN LISTRIK NORMAL

TOTAL KVA	23,7
TOTAL KW	16,6

PANEL KONTROL & KABEL
BY EQUIPMENT

POWER PANEL

GAS MEDIS (PP GAS MEDIS)
UK: 60 x 80 x 25CM



PP GAS MEDIS

NO	PANEL / FUNGSI	LOKASI	BEBAN TERSAMBUNG				BEBAN NORMAL						
			(KVA)	(KW)	R	S	T	(KVA)	(KW)	R	S	T	
1	PK VACUUM AIR	SENTRAL GAS MEDIS	28,6	20,0	43,3	43,3	43,3	0,5	14,3	10,0	21,6	21,6	21,6
2	PK COMPRESS AIR	SENTRAL GAS MEDIS	28,6	20,0	43,3	43,3	43,3	0,5	14,3	10,0	21,6	21,6	21,6
			57,1	40,0	86,6	86,6	86,6		28,6	20,0	43,3	43,3	43,3
			KVA	KW	A	A	A		KVA	KW	A	A	A

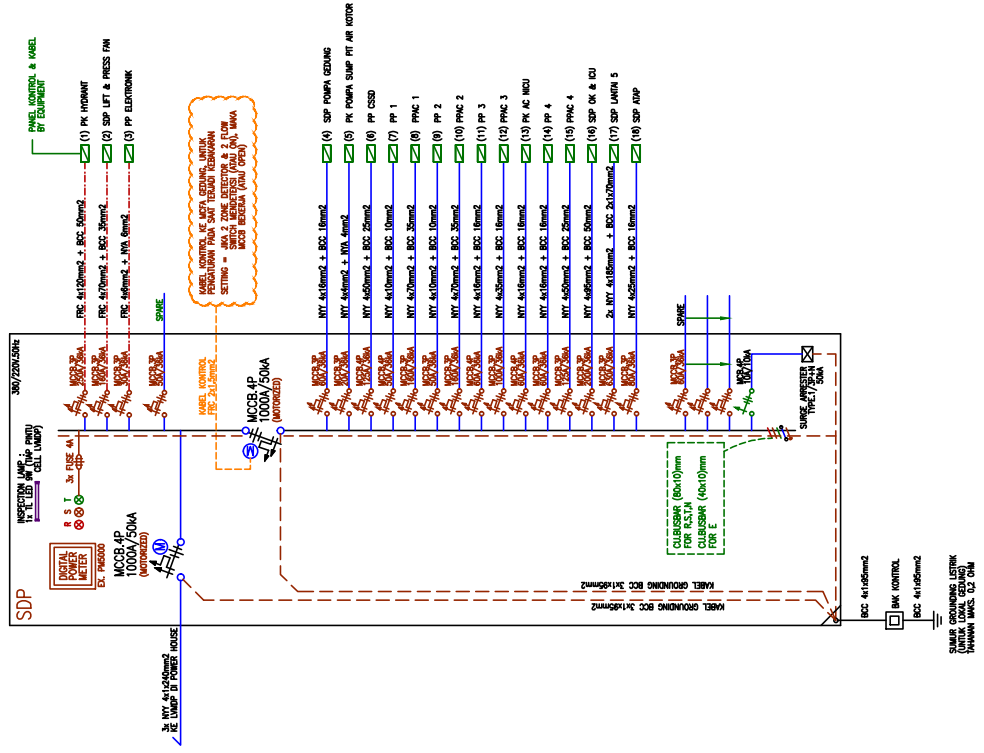
TOTAL BEBAN LISTRIK NORMAL

TOTAL KVA	28,6
TOTAL KW	20,0

PANEL KONTROL & KABEL
BY EQUIPMENT



SUB DISTRIBUTION PANEL
(SDP) GEDUNG
FREE STANDING 1 CELL



SKEDUL BEBAN SDP GEDUNG PELAYANAN TERPADU

NO	PANEL / FUNGSI	LOKASI	BEBAN TERSAMBUNG			FK %	BEBAN NORMAL			BEBAN EMERGENCY (KEBAKARAN)								
			(KVA)	(KW)	R		S	T	(KVA)	(KW)	R	S	T					
1	PK HYDRANT	R. POMPA	115,4	174,8	174,8	-	-	-	-	-	-	-	-	-	-	-	-	-
2	SDP LIFT & PRESS FAN	L.T. ATAP	85,3	129,2	129,2	0,5	41,8	28,0	63,3	63,3	63,3	79,3	120,1	120,1	120,1	120,1	120,1	120,1
3	PP ELEKTRONIK	LANTAI 1	12,4	10,5	18,7	0,7	8,6	7,4	13,1	13,1	13,1	8,6	13,1	13,1	13,1	13,1	13,1	13,1
4	SDP POMPA GEDUNG	R. POMPA	21,4	15,0	32,5	0,7	14,3	10,0	21,6	21,6	21,6	7,4	10,0	10,0	10,0	10,0	10,0	10,0
5	PK POMPA SUMP-PIT AK	SUMP-PIT AK	3,6	2,5	5,4	0,5	1,8	1,3	2,7	2,7	2,7	-	-	-	-	-	-	-
6	PP CSSD	LANTAI 1	86,5	53,2	98,6	0,7	46,5	37,2	69,0	69,0	69,0	-	-	-	-	-	-	-
7	PP 1	LANTAI 1	21,9	18,6	32,2	0,7	15,3	13,0	22,8	22,8	22,8	-	-	-	-	-	-	-
8	PPAC 1	LANTAI 1	86,0	60,2	131,7	0,7	60,2	42,1	92,2	90,0	91,4	-	-	-	-	-	-	-
9	PP 2	LANTAI 2	20,4	17,4	30,2	0,7	14,3	12,2	21,2	22,8	21,1	-	-	-	-	-	-	-
10	PPAC 2	LANTAI 2	84,4	59,1	127,3	0,7	59,1	41,3	89,1	90,0	89,3	-	-	-	-	-	-	-
11	PP 3	LANTAI 3	24,7	21,0	36,4	0,7	17,3	14,7	25,5	26,2	27,1	-	-	-	-	-	-	-
12	PPAC 3	LANTAI 3	50,7	35,5	75,8	0,7	35,5	24,8	53,0	54,1	54,1	-	-	-	-	-	-	-
13	PK AC NICU	LANTAI 3	31,4	22,0	47,6	0,7	22,0	15,4	33,3	33,3	33,3	-	-	-	-	-	-	-
14	PP 4	LANTAI 4	28,5	24,3	43,3	0,7	20,0	17,0	30,3	30,2	30,3	-	-	-	-	-	-	-
15	PPAC 4	LANTAI 4	53,5	37,4	81,9	0,7	37,4	26,2	57,3	56,2	56,6	-	-	-	-	-	-	-
16	SDP OK & ICU	LANTAI 5	132,4	96,1	202,2	0,7	92,7	67,3	141,6	141,6	138,6	-	-	-	-	-	-	-
17	SDP LANTAI 5	LANTAI 5	333,6	235,6	504,3	0,6	208,5	147,4	315,1	315,9	316,7	-	-	-	-	-	-	-
18	SDP ATAP	L.T. ATAP	39,0	28,7	60,6	0,6	23,4	17,4	36,2	36,3	33,7	-	-	-	-	-	-	-
			1211,0	874,0	1833,1		718,7	522,7	1087,4	1089,3	1090,5	203,3	140,4	308,1	308,1	308,1	308,1	308,1

TOTAL BEBAN LISTRIK NORMAL
(TANPA KAPASITOR BANK)

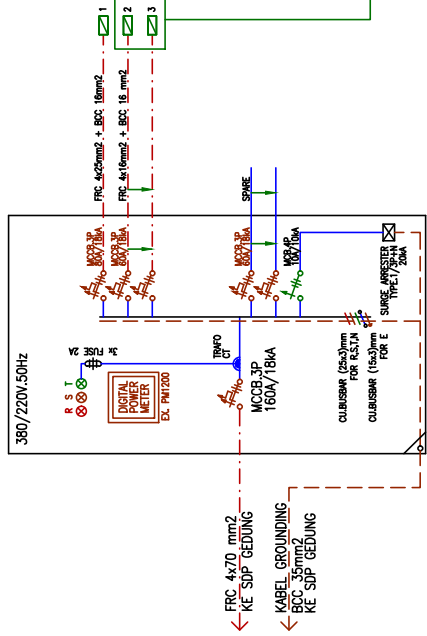
TOTAL KVA	718,7
TOTAL KW	522,7

TOTAL BEBAN LISTRIK NORMAL
JIKA FAKTOR DAYA = 0,9 (KAPASITOR BANK)
(DENGAN KAPASITOR BANK)

TOTAL KVA	580,8	TOTAL KVA	203,3
TOTAL KW	522,7	TOTAL KW	140,4

SDP (SUB DISTRIBUTION PANEL)
LIFT & PRESS FAN
UK: 60 x 80 x 30CM

UK: 60 x 80 x 30CM



FRC 4x70 mm²
KE SDP GEDUNG

KABEL GROUNDING
BCC 35mm²
KE SDP GEDUNG

PANEL CONTROL & KABEL
BY EQUIPMENT

SDP LIFT & PRESS FAN

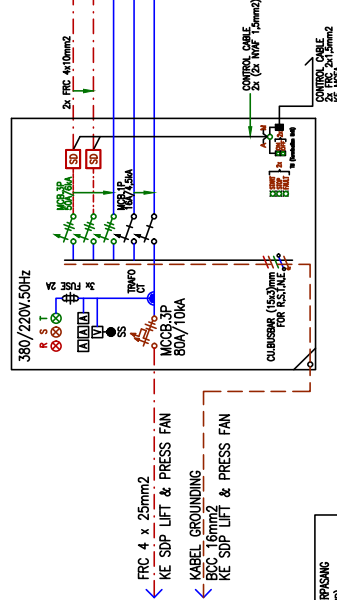
NO	PANEL / FUNGSI	LOKASI	BEBAN TERSAMBUNG			FK %	BEBAN NORMAL			BEBAN EMERGENCY			
			(KVA)	(KW)			(KVA)	(KW)		(KVA)	(KW)		
1	PP PRESS FAN	MESIN LIFT	37,5	30,0	56,8	-	-	-	37,5	30,0	56,8	56,8	56,8
2	PK LIFT 1	MESIN LIFT	23,9	16,0	36,2	1,0	23,9	16,0	36,2	23,9	16,0	36,2	36,2
3	PK LIFT 2	MESIN LIFT	23,9	16,0	36,2	0,75	17,9	12,0	27,1	17,9	12,0	27,1	27,1
			85,3	62,0	129,2		41,8	28,0	63,3	41,8	28,0	63,3	79,3
			KVA	KW	A	A	KVA	KW	A	KVA	KW	A	A

TOTAL BEBAN LISTRIK NORMAL

TOTAL KVA	41,8	TOTAL BEBAN LISTRIK EMERGENCY	79,3
TOTAL KW	28,0	TOTAL KW	56,0

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

UK: 60 x 80 x 25CM



FRC 4 x 25mm²
KE SDP LIFT & PRESS FAN

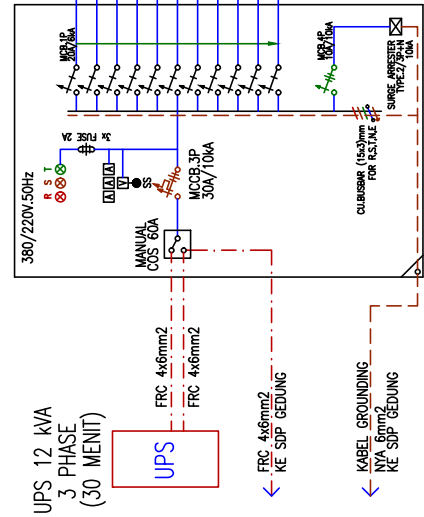
KABEL GROUNDING
BCC 16mm²
KE SDP LIFT & PRESS FAN

NO	FUNGSI	CIRCUIT BREAKER JML KUTUB	TRIP AMP	BEBAN TERPANGGAM (AMP)		
				R	S	T
1	PRESSURIZED FAN	3	50	15000	28,4	28,4
2	SPARE	3	16	15000	28,4	28,4
3	SPARE	3	16	15000	28,4	28,4
4	SPARE	3	16	15000	28,4	28,4
5	SPARE	3	16	15000	28,4	28,4
				30000	56,8	56,8
				TOTAL KVA	37,5	
				TOTAL WATT	30000	

TOTAL KVA	37,5
TOTAL WATT	30000

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

UK: 50 x 70 x 25CM



UPS 12 kVA
3 PHASE
(30 MENIT)

FRC 4x6mm²
FRC 4x6mm²

FRC 4x6mm²
KE SDP GEDUNG

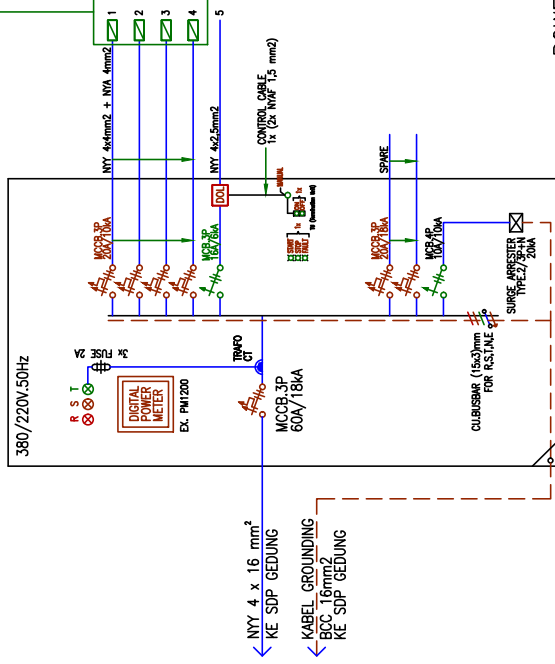
KABEL GROUNDING
KVA 3mm²
KE SDP GEDUNG

NO	FUNGSI	CIRCUIT BREAKER JML KUTUB	TRIP AMP	BEBAN TERPANGGAM (AMP)		
				R	S	T
1	PERALATAN SENTRAL FIRE ALARM	1	20	1250	6,7	6,7
2	PERALATAN SENTRAL SOUND SYSTEM	1	2000	2000	10,7	10,7
3	PERALATAN SENTRAL TELEPHONE	1	1500	1500	8,0	8,0
4	PERALATAN SERVER DATA	1	1250	1250	6,7	6,7
5	PERALATAN SERVER DATA	1	1250	1250	6,7	6,7
6	PERALATAN SENTRAL BURSE CALL	1	1500	1500	8,0	8,0
7	PERALATAN SENTRAL BURSE CALL	1	1500	1500	8,0	8,0
8	PERALATAN SISTEM ANTRIAN	1	750	750	4,0	4,0
9	SPARE	1	750	750	4,0	4,0
10	SPARE	1	750	750	4,0	4,0
11	SPARE	1	750	750	4,0	4,0
				10500	18,7	18,7
				TOTAL KVA	12,4	
				TOTAL WATT	10500	

TOTAL KVA	12,4
TOTAL WATT	10500

RENCANA SKEDUL BEBAN
SDP LIFT & PRESS FAN, PP PRESS FAN DAN PP ELEKTRONIK
SKALA _____ NTS

SUB DISTRIBUTION PANEL
POMPA GEDUNG
(SDP POMPA GEDUNG)
UK: 60 x 80 x 30CM



SKEDUL BEBAN SDP POMPA GEDUNG

NO	PANEL	FUNGSI	BEBAAN TERSAMBUNG			BEBAAN NORMAL		
			(KVA)	(KW)	FK %	(KVA)	(KW)	FK %
1	PK POMPA AB 1,2	POWER POMPA TRANSFER AIR BERSIH	5,7	4,0	8,7	2,9	2,0	4,3
2	PK POMPA AB 3,4	POWER POMPA TRANSFER AIR BERSIH KE GMT EKHSITING	5,7	4,0	8,7	2,9	2,0	4,3
3	PK KURAS GMT	POWER POMPA KURAS GMT	2,9	2,0	4,3	1,4	1,0	2,2
4	PK JOCKEY PUMP	POWER POMPA JOCKEY PUMP	5,7	4,0	8,7	5,7	4,0	8,7
5	AXIAL FAN 2000 CFM (EF-B-1)	POWER EXHAUST FAN RUANG POMPA	1,4	1,0	2,2	1,4	1,0	2,2

21,4	15,0	32,5	32,5	32,5	32,5	21,6	21,6	21,6	A
KVA	KW	A	A	A	A	KW	KVA	KW	A

BEBAAN LISTRIK NORMAL

TOTAL KVA	14,3
TOTAL KW	10,0

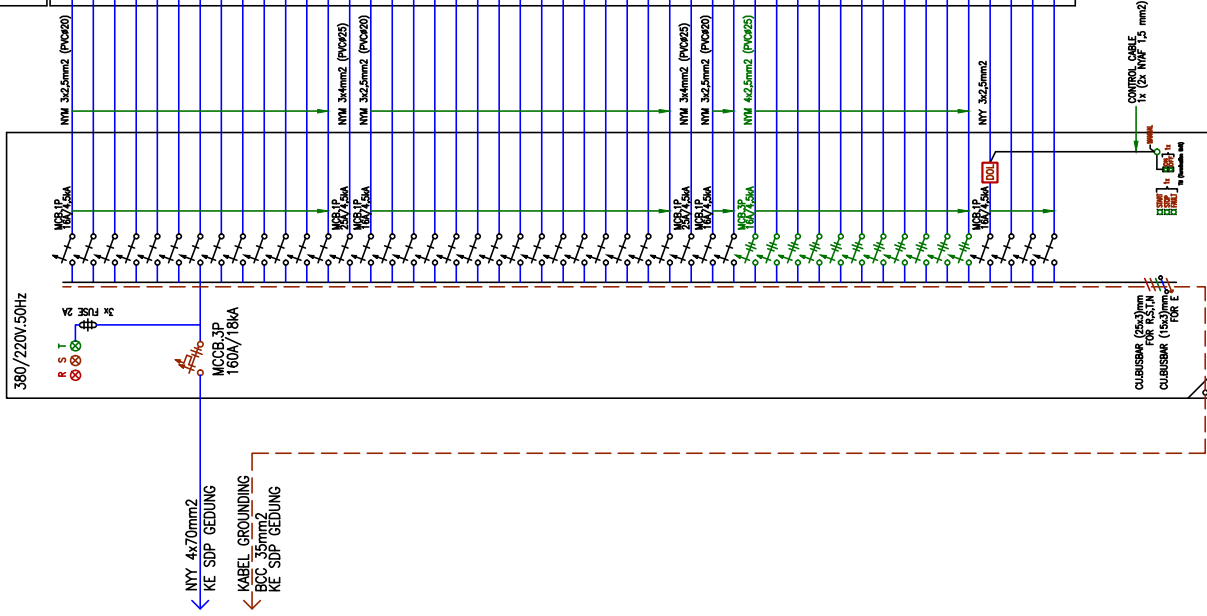
POWER PANEL
CSSD (PP CSSD)
UK: 50 x 70 x 25CM

NO	FUNGSI	CIRCUIT BREAKER		TOTAL WATT		BEBAAN TERPASANG (AMP)		
		JML KUTUB	TRIP AMP	R	S	T		
1	KOTAK KONTRAK	1	16	500	2,8			8,5
2	GETINJE ULTRASONIC 300			1500				3,4
3	STERING SEWANG MACHINE RS 120			600				3,8
4	GETINJE WASHER DISINFECTOR 46-4S (1)	3		2000	3,8	3,8		3,8
5	GETINJE WASHER DISINFECTOR 46-4S (2)			2000	3,8	3,8		3,8
6	DRYING CABINET			3500	6,6	6,6		6,6
7	GETINJE STEAM STERILIZERS HS 6610 AR-2			2500	4,7	4,7		4,7
8	GETINJE STEAM STERILIZERS HC 533 COMBI	80		30000	56,8	56,8		56,8
9	LOW TEMPERATURE STERILIZER	40		10560	20,0	20,0		20,0
10	SPARE	1	16					
11								
12								
				53160	99,6	99,2		104,3

TOTAL KVA	66,5
TOTAL WATT	53160

NOTE : BEBAN DIHITUNG BERDASARKAN ASUMSI

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

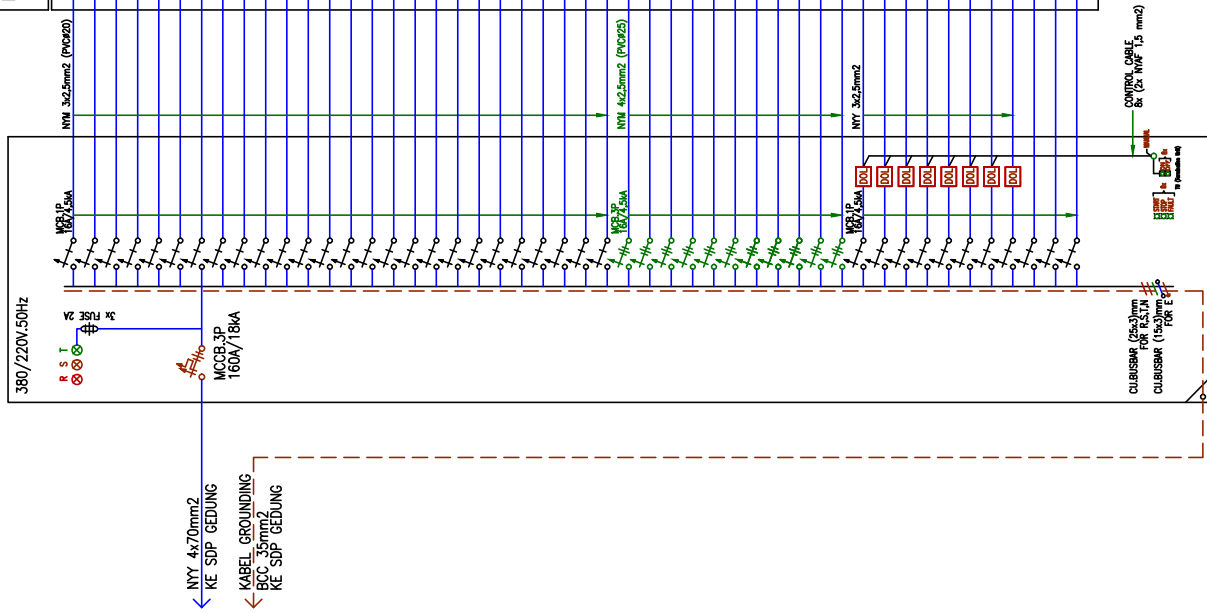


NO	FUNGSI	CIRCUIT BREAKER JML. TRIP KUTUB AMP	AC 3P/3W/3S/2.5mm ² (16A)												TOTAL WATT	BEBAN TERPASANG (AMP)							
			1	2	3	4	5	6	7	8	9	10	11	12		R	S	T					
1	POWER AC	1 16	1															690	4,5				
2																		690		4,5			
3																		690					4,5
4																		340		2,2			
5																		340					2,2
6																		1090					7,1
7																		690		4,5			
8																		690					4,5
9																		340		2,2			
10																		690		4,5			
11																		690					4,5
12																		340		2,2			
13																		1090		7,1			
14																		2100				13,6	
15																		690					4,5
16																		340		2,2			
17																		340					2,2
18																		1090		7,1			
19																		1090		7,1			
20																		340		2,2			
21																		340					2,2
22																		1832		11,9			
23																		340					2,2
24																		340		2,2			
25																		340					2,2
26																		1832		4,5			
27																		340		2,2			
28																		690		4,5			
29																		540					3,5
30																		2100				13,6	
31																		1090		7,1			
32																		540					3,5
33																		3310		7,2			7,2
34																		3310		7,2			7,2
35																		2730		5,9			5,9
36																		3310		7,2			7,2
37																		3310		7,2			7,2
38																		3310		7,2			7,2
39																		3310		7,2			7,2
40																		3310		7,2			7,2
41																		2730		5,9			5,9
42																		3310		7,2			7,2
43																		3310		7,2			7,2
44	AWL FIN																						
45	SWPE																						
46																							
47																		250					1,6
															60184	131,7	128,5	130,6					
			12 2 9 5 2 2 0 2 9 0 0 1												60184	131,7	128,5	130,6					

TOTAL KVA	86,0
TOTAL WATT	60184



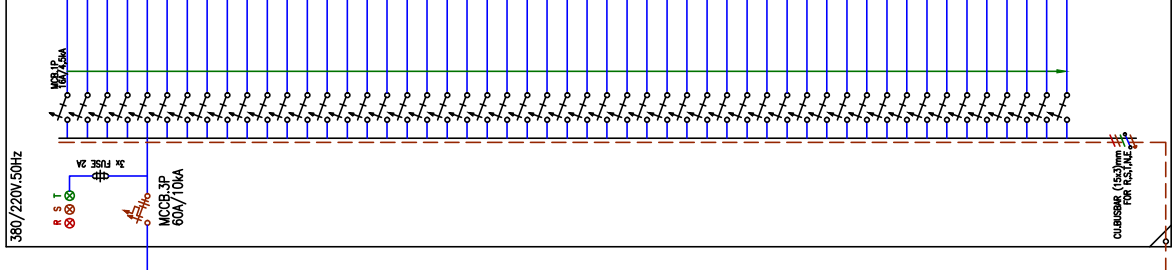
POWER PANEL AC
 LANTAI 2 (PPAC.2)
 UK: 60 x 80 x 25CM



NO	FUNGSI	CIRCUIT BREAKER		AC BREAKER												TOTAL WATT	BEBAN TERPISANG (AMP)							
		JML KUTUB	TRIP AMP	AC 220V 16A	AC 220V 20A	AC 220V 25A	AC 220V 32A	AC 220V 40A	AC 220V 50A	AC 220V 63A	AC 220V 80A	AC 220V 100A	AC 220V 125A	AC 220V 160A	R		S	T						
1	POWER AC	1	16																	540	3.5			
2				1																690				4.5
3						1														690				4.5
4							1													690				4.5
5								1												690				4.5
6									1											690				4.5
7										1										690				4.5
8											1									690				4.5
9												1								1832				11.9
10													1							1090				7.1
11														1						1090				7.1
12															1					1090				7.1
13																1				340				2.2
14																	1			540				3.5
15																		1		340				2.2
16																				690				4.5
17																				690				4.5
18																				690				4.5
19																				690				4.5
20																				690				4.5
21																				690				4.5
22																				690				4.5
23																				690				4.5
24																				690				4.5
25																				690				4.5
26																				690				4.5
27																				690				4.5
28																				2730				5.9
29																				3310				7.2
30																				3310				7.2
31																				3310				7.2
32																				3310				7.2
33																				3310				7.2
34																				3310				7.2
35																				3310				7.2
36																				3310				7.2
37																				3310				7.2
38	AVUL FMI																			3310				7.2
39																				300				1.9
40																				500				3.2
41																				750				4.9
42																				450				2.9
43																				250				1.6
44																				250				1.6
45																				550				3.6
46	SPARE																			900				5.8
47																								
48																								
						2	2	18	3	1	0	0	0	1	10	0	0	0	0	8	59062	127.3	128.6	127.6

TOTAL KVA	84.4
TOTAL WATT	59062

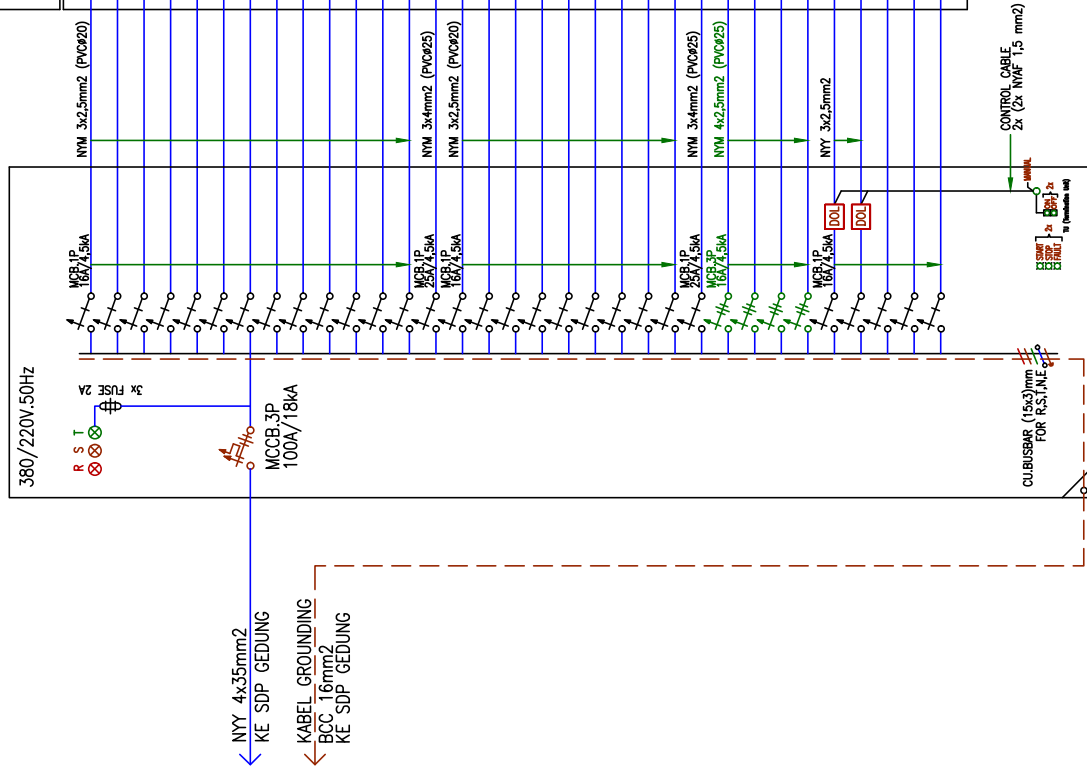
POWER PANEL
 LANTAI 3 (PP.3)
 UK: 60 x 80 x 25CM



NO	FUNGSI	CIRCUIT BREAKER NH, TRIP KATUB, AMP	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	KOMPONEN KORONGAN KE KORONGAN TUMBUK + BUNYI	BEBAN TERPASANG (AMP)			TOTAL WATT	SIMPANAN KABEL SISWA KE KORONGAN	SIMPANAN KABEL SISWA KE KORONGAN	SIMPANAN KABEL SISWA KE KORONGAN	SIMPANAN KABEL SISWA KE KORONGAN						
														R	S	T											
1	PREMERKON		1	1	1	1	1	1	1	1	1	1	1	2.8	4.0	4.0	754	3	7	1							
2			8														31	13	5								
3			5	1	1	1	1	1	1	1	1	1	1				670	9	6	3							
4				1	1	1	1	1	1	1	1	1	1				334	4	5								
5																	448	4	8	1							
6																	302	1.6	4	2							
7			2	7													106										
8			14	4	10												342	1.8									
9			12	1	2												166	0.9									
10			8	1	2	14											286	1.5									
11	LOKAL KONDUK																600	3.2									
12																	500		2.7								
13																	400	2.1									
14																	500		2.7								
15																	500		2.7								
16																	500	2.7									
17																	400	2.1									
18																	500		2.7								
19																	500	2.7									
20																	400	2.1									
21																	500		2.7								
22																	400	2.1									
23																	400	2.1									
24																	400	2.1									
25															1		400	2.1									
26																	500		2.7								
27																	400	2.1									
28																	500	2.7									
29																	500		2.7								
30																	500	2.7									
31																	400	2.1									
32																	500		2.7								
33																	600			3.2							
34																	500	2.7									
35																2	800	4.3									
36																	400	2.1									
37																	400	2.1									
38																	400	2.1									
39																	400	2.1									
40																	400	2.1									
41																	400	2.1									
42																	800	4.3									
43																	400	2.1									
44																	400	2.1									
45																	400	2.7									
46																	500	2.7									
47																	500	2.7									
48																	400	2.1									
49	SPACE																										
50																											
51																											
148			5	10	31	0	14	1	1	2	2	11	0	2	18	98	13	18	6	21934	39.3	38.2	37	33	5	0	4

TOTAL KVA	25.8
TOTAL WATT	21934

POWER PANEL AC
LANTAI 3 (PPAC.3)
UK: 50 x 70 x 25CM



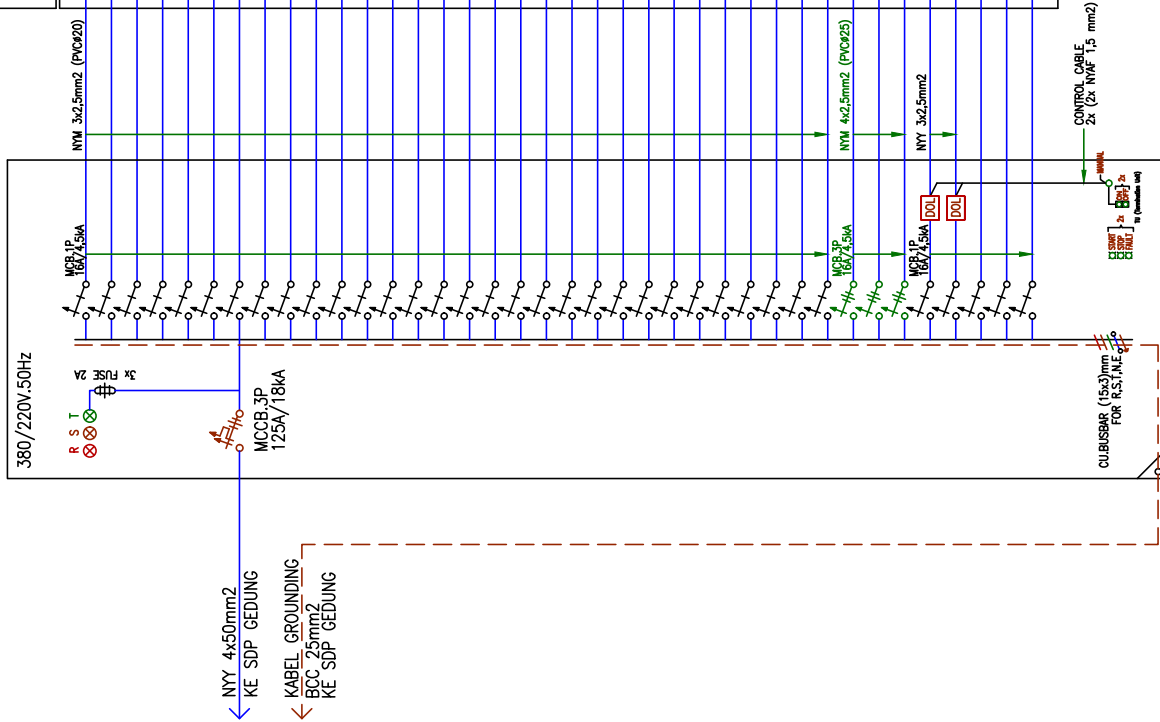
NO	FUNGSI	CIRCUIT BREAKER		AC SPLIT WALL MOUNTED 4200 BRUH	AC SPLIT WALL MOUNTED 3000 BRUH	AC SPLIT WALL MOUNTED 2200 BRUH	AC SPLIT WALL MOUNTED 1800 BRUH	AC SPLIT WALL MOUNTED 1200 BRUH	AC SPLIT WALL MOUNTED 900 BRUH	AC SPLIT WALL MOUNTED 600 BRUH	AC SPLIT WALL MOUNTED 4200 BRUH	AC SPLIT WALL MOUNTED 3000 BRUH	AC SPLIT WALL MOUNTED 2200 BRUH	AC SPLIT WALL MOUNTED 1800 BRUH	AC SPLIT WALL MOUNTED 1200 BRUH	AC SPLIT WALL MOUNTED 900 BRUH	AC SPLIT WALL MOUNTED 600 BRUH	AC SPLIT WALL MOUNTED 4200 BRUH	AC SPLIT WALL MOUNTED 3000 BRUH	AC SPLIT WALL MOUNTED 2200 BRUH	AC SPLIT WALL MOUNTED 1800 BRUH	AC SPLIT WALL MOUNTED 1200 BRUH	AC SPLIT WALL MOUNTED 900 BRUH	AC SPLIT WALL MOUNTED 600 BRUH	TOTAL WATT	BEBAN TERPASANG (AMP)				
		JMHL KOTUB	TRIP AMP																							R	S	T		
1	POWER AC	1	16																							340	2,2	2,2	2,2	
2																											340			
3																											340			2,2
4																											340	2,2		
5																										1090	7,1			
6																										1090	7,1			
7																										690	4,5			
8																										690	4,5			
9																										1832	7,1			11,9
10																										1090	7,1			
11																										1090	7,1			
12																										1090	7,1			
13																										340	2,2			
14																										2100	13,6			
15																										690	4,5			
16																										1090	7,1			
17																										340				2,2
18																										340				
19																										540	3,5			
20																										540				3,5
21																										540				
22																										540				
23																										540				
24																										2100	13,6			
25																										2100	4,5			4,5
26																										4150	9,0			9,0
27																										3310	7,2			7,2
28																										4150	9,0			9,0
29	AVIAL FAN																									1	2,6			
30																										1	3,3			
31	SPARE																													
32																														
33																														

RENCANA SKEDUL BEBAN
PPAC.3
SKALA

TOTAL KVA	50,7
TOTAL WATT	35474

RENCANA SKEDUL BEBAN
PPAC.3
SKALA

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



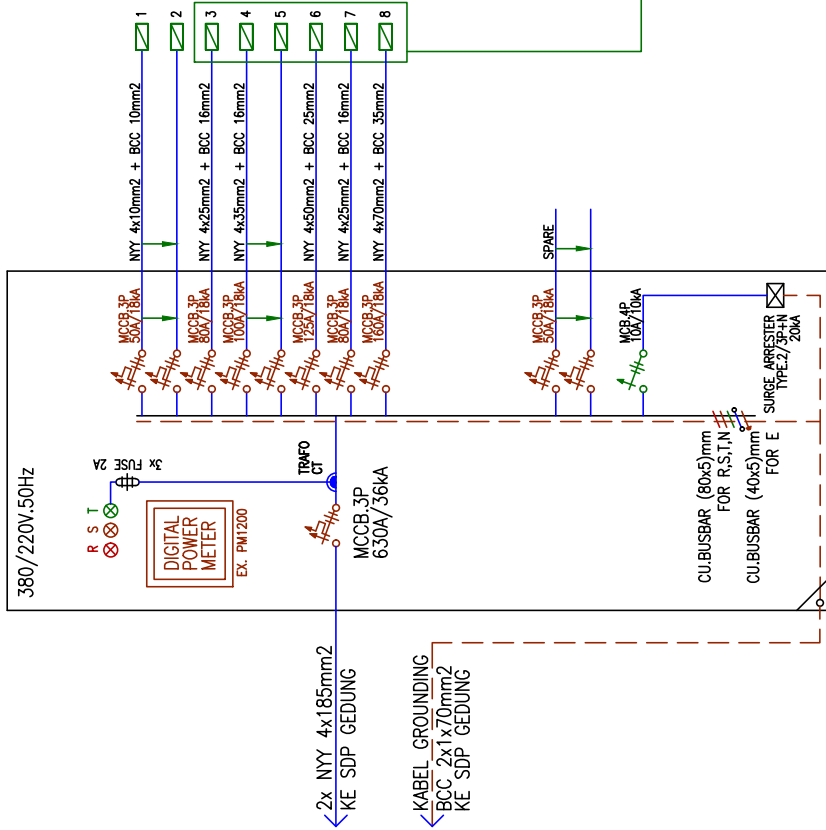
NO	FUNGSI	CIRCUIT BREAKER	AC SPLIT MAIN BOARD (SMP)										TOTAL WATT	BEBAN TERPASANG (AMP)																																
			1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	R	S	T																								
1	POWER AC	16																					1090	7,1																						
2			1																				1090	7,1																						
3				1																			1090				7,1																			
4					1																		1090	7,1																						
5						1																	1090				7,1																			
6							1																690				4,5																			
7								1															690				4,5																			
8									1														1832				11,9																			
9										1													1090				7,1																			
10											1												1090	7,1																						
11												1											1090				7,1																			
12													1										690				4,5																			
13														1									1090				7,1																			
14															1								1090				7,1																			
15																1							1090				7,1																			
16																	1						1090				7,1																			
17																		1					1090				7,1																			
18																			1				1090				7,1																			
19																				1			1090				7,1																			
20																					1		1090				7,1																			
21																							690				4,5																			
22																							690				4,5																			
23																							1090				7,1																			
24																							540				3,5																			
25																							340				2,2																			
26																							340				2,2																			
27																							340				2,2																			
28																							690				4,5																			
29																							340				2,2																			
30																							340				2,2																			
31																							3310				7,2																			
32																							3310				7,2																			
33																							3310				7,2																			
34	AVIAL FAN																						400				2,6																			
35																							350				2,3																			
36	SPARE																																													
37																																														
38																																														
																						5	1	6	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	37422	81,9	80,3	80,8

TOTAL KVA	53,5
TOTAL WATT	37422

RENCANA SKEDUL BEBAN
PPAC.4
SKALA

NTS

SUB DISTRIBUTION PANEL
LANTAI 5 (SDP LANTAI 5)
UK: 60 x 80 x 30CM



SKEDUL BEBAN SDP LANTAI 5

NO	PANEL / FUNGSI	LOKASI	BEBAN TERSAMBUNG				FK %	BEBAN NORMAL					
			(KVA)	(KW)	R	S		T	(KVA)	(KW)	R	S	T
1	PP 5	LANTAI 5	15,0	12,7	23,4	22,2	22,5	0,7	10,5	8,9	16,4	15,5	15,7
2	PPAC 5	LANTAI 5	22,6	15,8	34,4	34,3	34,2	0,7	15,8	11,1	24,0	24,0	24,0
3	PK AC OK.4 (8 PK)	LANTAI 5	40,0	28,0	60,6	60,6	60,6	0,7	28,0	19,6	42,4	42,4	42,4
4	PK AC KORIDOR (10 PK)	LANTAI 5	44,7	31,3	67,7	67,7	67,7	0,7	31,3	21,9	47,4	47,4	47,4
5	PK AC R.POST&PREOP (12 PK)	LANTAI 5	47,1	33,0	71,4	71,4	71,4	0,7	33,0	23,1	50,0	50,0	50,0
6	PK AC R. ICU2 (16PK)	LANTAI 5	58,6	41,0	88,7	88,7	88,7	0,5	29,3	20,5	44,4	44,4	44,4
7	PK AC OK.3 (8 PK)	LANTAI 5	40,0	28,0	60,6	60,6	60,6	0,7	28,0	19,6	42,4	42,4	42,4
8	PK AC R. ICU1 (18 PK)	LANTAI 5	66,4	46,5	100,6	100,6	100,6	0,5	33,2	23,3	50,3	50,3	50,3

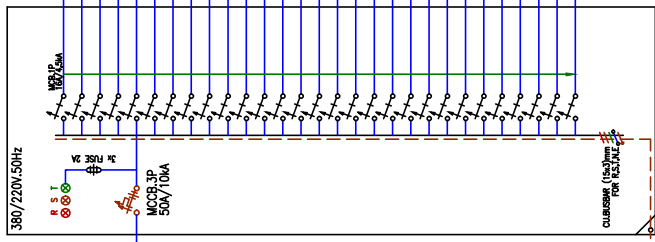
334,5	236,4	507,5	506,2	506,5	209,1	317,4	316,5	316,7
KVA	KW	A	A	A	KVA	KW	A	A

TOTAL BEBAN LISTRIK NORMAL

TOTAL KVA	209,1
TOTAL KW	148,0

PANEL KONTROL & KABEL
BY EQUIPMENT

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

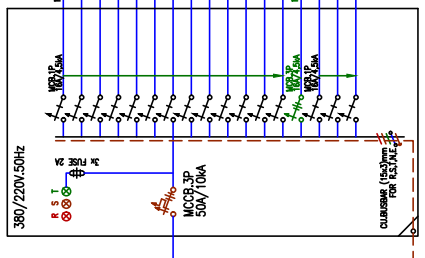


NTY 4x10mm²
KE SUP LANTAI 5
KABEL GROUNDING
PP.5 (10mm²)
KE SUP LANTAI 5

NO	FUNGSI	CIRCUIT BREAKER	TRIP AMPER	JML. KONTAK		JML. TITIK KONTAK		JML. SALURAN KABEL		KABEL	JML. SALURAN TUBING	TITIK	KABEL	KABEL	TITIK	KABEL	KABEL	BEBAN TERPASANG (AMP)			TOTAL WATT	WATT	VA	VA	VA	VA	VA				
				1	2	1	2	1	2									1	2	1								2	1	2	
1	FREKUISI		16	1	1	2	1	1	2	1	1	1	1	2	1	1	1	1	8	4,8	904	216	216	216	216	216	216	8	9	1	
2			3																		1,2	268	268	268	268	268	268	8	3	1	
3			8	1	1	4		1	4	1	1	1	1	4						1,5	654	654	654	654	654	654	5	9	1		
4			24	2	2			1												3,4	628	628	628	628	628	628	6	4			
5			27	3	2				3											1,1	565	565	565	565	565	565	5	4	1		
6			15	2	7				12	3	1									2,7	500	500	500	500	500	500	4	2,1	1		
7																				3,2	600	600	600	600	600	600	6	3,2			
8																				1,1	200	200	200	200	200	200	2	3,2			
9																				2,1	400	400	400	400	400	400	4	3,2			
10																				4,3	400	400	400	400	400	400	4	4,3			
11																				4,3	400	400	400	400	400	400	4	4,3			
12																				2,7	500	500	500	500	500	500	5	2,7			
13																				3,2	600	600	600	600	600	600	6	3,2			
14																				1,6	300	300	300	300	300	300	3	1,6			
15																				2,1	400	400	400	400	400	400	4	2,1			
16																				4,3	400	400	400	400	400	400	4	4,3			
17																				4,3	400	400	400	400	400	400	4	4,3			
18																				2,7	500	500	500	500	500	500	5	2,7			
19																				3,2	600	600	600	600	600	600	6	3,2			
20																				1,6	300	300	300	300	300	300	3	1,6			
21																				2,1	400	400	400	400	400	400	4	2,1			
22																				4,3	400	400	400	400	400	400	4	4,3			
23																				4,3	400	400	400	400	400	400	4	4,3			
24																				2,7	500	500	500	500	500	500	5	2,7			
25																				3,2	600	600	600	600	600	600	6	3,2			
26																				1,6	300	300	300	300	300	300	3	1,6			
27	SPARE																														
28																															
29																															
108	10	11	0	0	1	0	0	1	0	2	2	2	3	3	2	15	64	4	0	6	12719	23,4	22,2	22,5	30	27	2	0	2		

TOTAL KVA	15,0
TOTAL WATT	12719

POWER PANEL AC
LANTAI 5 (PPAC.5)
UK: 50 x 70 x 25CM

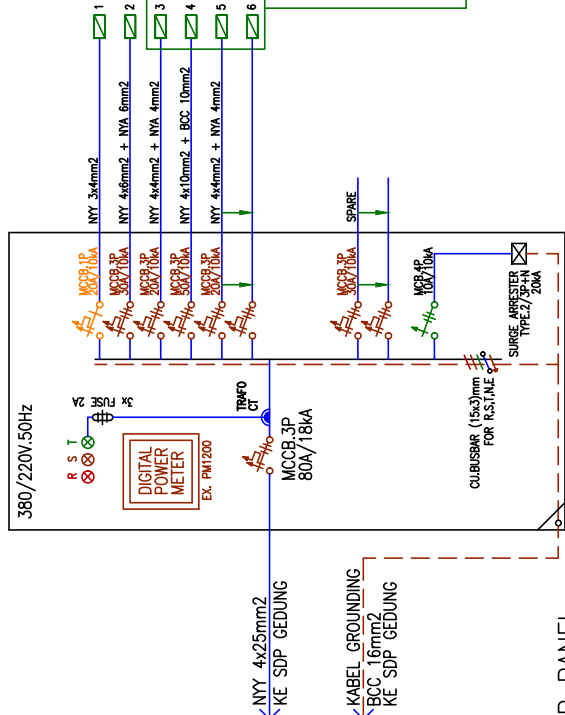


NTY 4x10mm²
KE SUP LANTAI 5
KABEL GROUNDING
PP.5 (10mm²)
KE SUP LANTAI 5

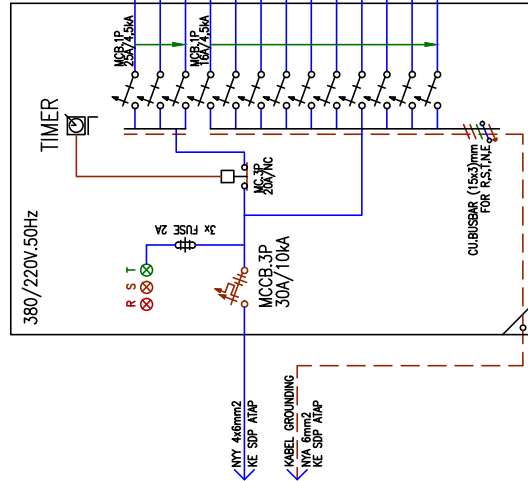
NO	FUNGSI	CIRCUIT BREAKER	TRIP AMPER	JML. KONTAK		JML. TITIK KONTAK		JML. SALURAN KABEL		KABEL	JML. SALURAN TUBING	TITIK	KABEL	KABEL	TITIK	KABEL	KABEL	TITIK	BEBAN TERPASANG (AMP)			TOTAL WATT	WATT	VA	VA	VA	VA				
				1	2	1	2	1	2										1	2	1							2			
1	PANEL AC		16	1	1	2	1	1	2	1	1	1	1	2	1	1	1	1	8	4,8	904	216	216	216	216	216	8	9	1		
2			3																	1,2	268	268	268	268	268	268	8	3	1		
3			8	1	1	4		1	4	1	1	1	1	4					1,5	654	654	654	654	654	654	5	9	1			
4			24	2	2			1											3,4	628	628	628	628	628	628	6	4				
5			27	3	2				3										1,1	565	565	565	565	565	565	5	4	1			
6			15	2	7				12	3	1								2,7	500	500	500	500	500	500	4	2,7				
7																				3,2	600	600	600	600	600	600	6	3,2			
8																			1,1	200	200	200	200	200	200	2	3,2				
9																			2,1	400	400	400	400	400	400	4	2,1				
10																			4,3	400	400	400	400	400	400	4	4,3				
11																			4,3	400	400	400	400	400	400	4	4,3				
12																			2,7	500	500	500	500	500	500	5	2,7				
13																			3,2	600	600	600	600	600	600	6	3,2				
14																			1,6	300	300	300	300	300	300	3	1,6				
15	SPARE																														
16																															
17																															
1832	10	11	0	0	1	0	0	1	0	2	2	2	3	3	2	15	64	4	0	6	12719	23,4	22,2	22,5	30	27	2	0	2		

TOTAL KVA	22,6
TOTAL WATT	15844

SUB DISTRIBUTION PANEL
LANTAI ATAP (SDP.A)
UK: 60 x 80 x 30CM



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



SKEDUL BEBAN SDP ATAP

NO	PANEL / FUNGSI	LOKASI	BEBAN TERSEMBUNG			FK %	BEBAN NORMAL								
			(KVA)	(KW)	R		S	T	(KVA)	(KW)	R	S	T		
1	OBSTRUCTION LAMP	LT. ATAP	0,6	0,5		1,0	2,7				0,6	0,5	2,7		
2	PP ATAP	LT. ATAP	10,7	8,8		0,7	14,9				7,5	6,1	13,0		10,4
3	PK BOOSTER PUMP	LT. ATAP	4,3	3,0		0,5	6,5				2,1	1,5	3,2		3,2
4	PK HEAT PUMP	LT. ATAP	18,6	13,0		0,5	28,1				9,3	6,5	14,1		14,1
5	PK DUMB WAITER 1	LT. ATAP	2,4	1,7		0,9	3,7				2,2	1,5	3,3		3,3
6	PK DUMB WAITER 2	LT. ATAP	2,4	1,7		0,7	3,7				1,7	1,2	2,6		2,6

39,0	28,7	60,6	59,6	57,0		23,4	17,4	36,2	36,3	33,7
KVA	KW	A	A	A	A	KVA	KW	A	A	A

TOTAL BEBAN LISTRIK NORMAL

TOTAL KVA	23,4
TOTAL KW	17,4

PANEL KONTROL & KABEL
BY EQUIPMENT

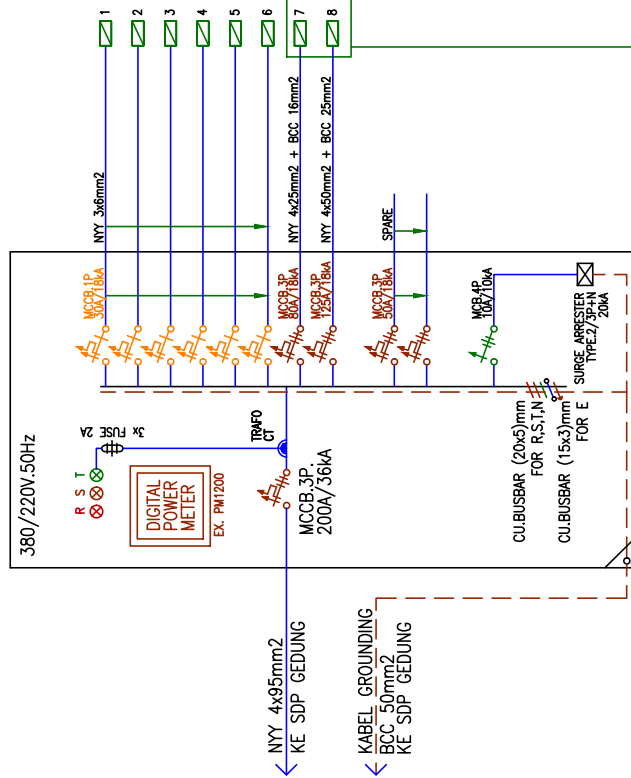
NO	FUNGSI	CIRCUIT BREAKER JML TRIP KUTUB AMP	NO. LUD. 100 (MATERIAL BAK DOK. / MANDU)	NO. LUD. 100 (MATERIAL BAK DOK. / MANDU)	NO. LUD. 100 (MATERIAL BAK DOK. / MANDU)	NO. LUD. 100 (MATERIAL BAK DOK. / MANDU)	NO. LUD. 100 (MATERIAL BAK DOK. / MANDU)	NO. LUD. 100 (MATERIAL BAK DOK. / MANDU)	NO. LUD. 100 (MATERIAL BAK DOK. / MANDU)	NO. LUD. 100 (MATERIAL BAK DOK. / MANDU)	BEBAN TERPASANG (AMP)			TOTAL WAIT	SIGNAL TUNJAL	SIGNAL HOTEL TUNJAL	ONE SWITCH/ SIGNAL ON/OFF
											R	S	T				
1	SPARE SIGNAGE	1	25										2000				
2													2000				
3													2000				
4	PENERANGAN	16											648	10,7			1
5													372	2,0	2,1	1	1
6	KOTAK KONTAK												400				
7	AC. SPLIT WALL (4.750 BTU/H)												340	2,2			
8													340	2,2			
9													340	2,2			
10													340	2,2			
11	SPARE												340				
12																	
13																	
1		49	5	1	1	4	8780	18,6	14,9	15,0	1	1	1	1	1	2	

TOTAL KVA	10,7
TOTAL WAIT	8780



SUB DISTRIBUTION PANEL (SDP)
OK & ICU LANTAI 5 (BEBAN CRITICAL)
UK: 60 x 80 x 30CM

SKEDUL BEBAN SDP OK & ICU LANTAI 5 (BEBAN CRITICAL)



NO	PANEL / FUNGSI	LOKASI	BEBAN TERSAMBUNG				FK %	BEBAN NORMAL					
			(KVA)	(KW)	R	S		T	(KVA)	(KW)	R	S	T
1	PP OK 1	LANTAI 5	5,0	4,3	22,9		0,7	3,5	3,0	16,0			
2	PP OK 2	LANTAI 5	4,9	4,2		22,5	0,7	3,5	2,9		15,7		
3	PP OK 3	LANTAI 5	4,9	4,2			0,7	3,5	2,9			16,0	
4	PP OK 4	LANTAI 5	4,9	4,2	22,9		0,7	3,5	2,9	16,0			
5	PP ICU.1	LANTAI 5	5,1	3,9		23,3	0,7	3,6	2,7		16,3		
6	PP ICU.2	LANTAI 5	4,1	3,1			0,7	2,9	2,2			13,1	
7	PK AC OK.1 (10 PK)	LANTAI 5	44,7	31,3	67,7	67,7	0,7	31,3	21,9	47,4	47,4		
8	PK AC OK.2 (16 PK)	LANTAI 5	58,6	41,0	88,7	88,7	0,7	41,0	28,7	62,1	62,1		

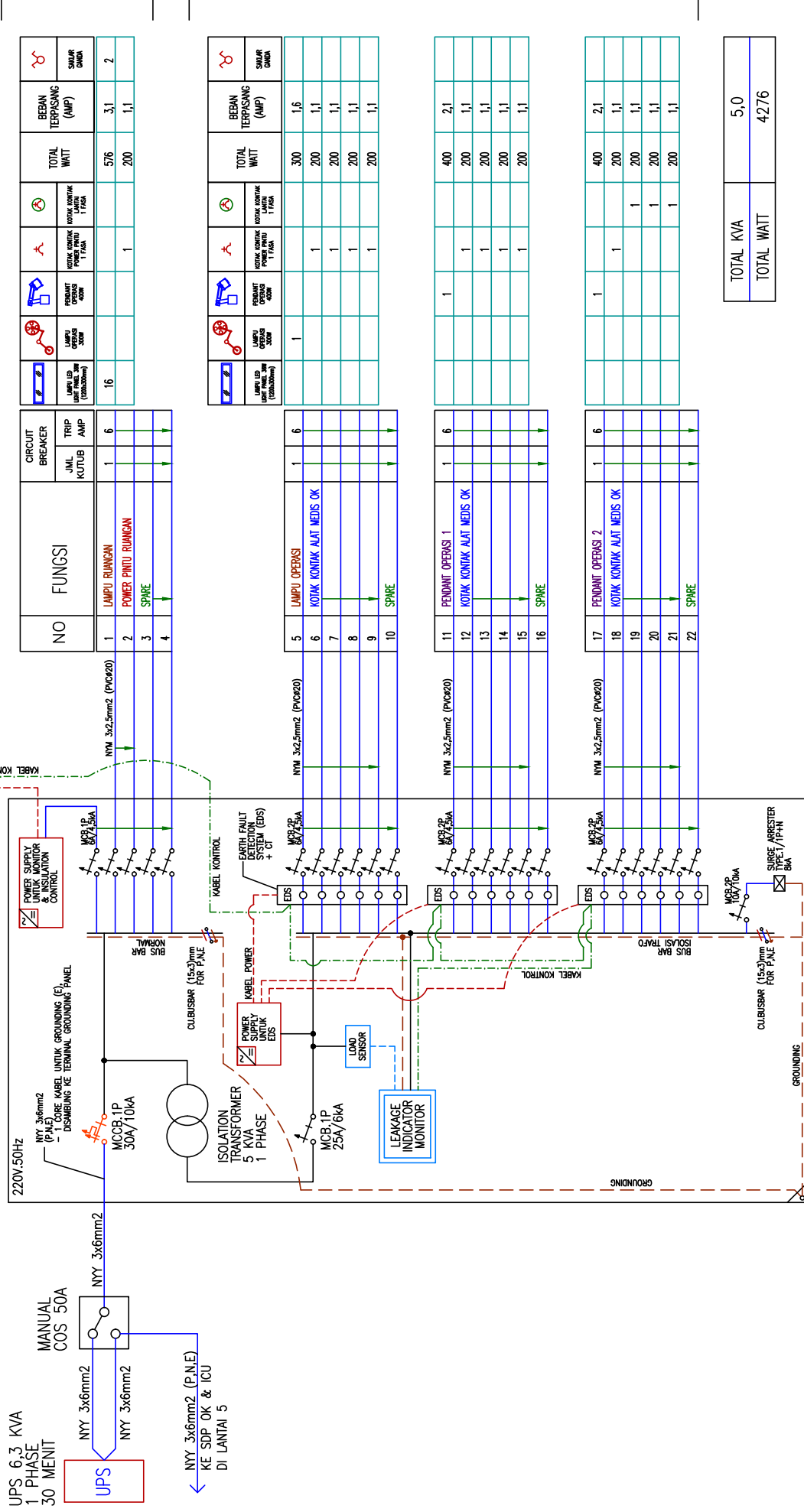
132,4	96,1	202,2	202,3	198,0	92,7	67,3	141,6	141,6	138,6
KVA	KW	A	A	A	KVA	KW	A	A	A

TOTAL BEBAN LISTRIK NORMAL

TOTAL KVA	92,7
TOTAL KW	67,3

PANEL KONTROL & KABEL
BY EQUIPMENT

POWER PANEL
OK 1 (PP.OK.1)
TYPE TEST IEC 61439
FORM 2B/3B



DI RUANG OPERASI
MONITOR & INSULATION CONTROL

TANPA TRAF0 ISOLASI

NO	FUNGSI	CIRCUIT BREAKER	JML KUTUB	TRIP AMP	LAMPU OPERASI (1000000000)	KOTAK KONTAK POWER OPERASI (1750A)	KOTAK KONTAK POWER SPARE (1750A)	KOTAK KONTAK LAJUT (1750A)	TOTAL WATT	BEBAN TERPASANG (AMP)	SWAK GUNA
1	LAMPU RUANGAN		1	6					576	3.1	2
2	POWER PINTU RUANGAN								200	1.1	
3	SPARE										
4											

DENGAN TRAF0 ISOLASI

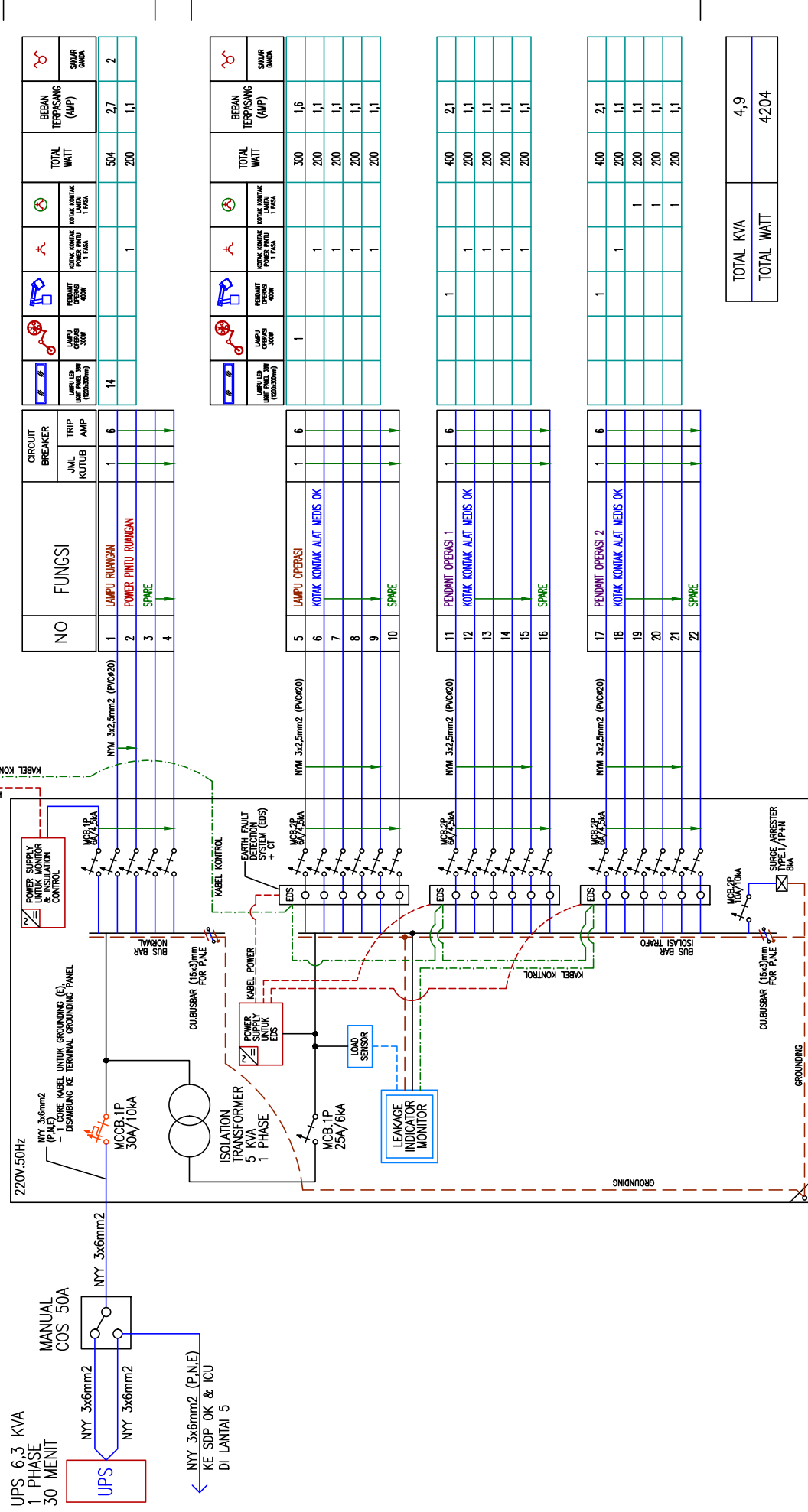
NO	FUNGSI	CIRCUIT BREAKER	JML KUTUB	TRIP AMP	LAMPU OPERASI (1000000000)	KOTAK KONTAK POWER OPERASI (1750A)	KOTAK KONTAK POWER SPARE (1750A)	KOTAK KONTAK LAJUT (1750A)	TOTAL WATT	BEBAN TERPASANG (AMP)	SWAK GUNA
5	LAMPU OPERASI		1	6					300	1.6	
6	KOTAK KONTAK ALAT MEDIS OK								200	1.1	
7									200	1.1	
8									200	1.1	
9									200	1.1	
10	SPARE										

NO	FUNGSI	CIRCUIT BREAKER	JML KUTUB	TRIP AMP	LAMPU OPERASI (1000000000)	KOTAK KONTAK POWER OPERASI (1750A)	KOTAK KONTAK POWER SPARE (1750A)	KOTAK KONTAK LAJUT (1750A)	TOTAL WATT	BEBAN TERPASANG (AMP)	SWAK GUNA
11	PENDANT OPERASI 1		1	6					400	2.1	
12	KOTAK KONTAK ALAT MEDIS OK								200	1.1	
13									200	1.1	
14									200	1.1	
15									200	1.1	
16	SPARE										

NO	FUNGSI	CIRCUIT BREAKER	JML KUTUB	TRIP AMP	LAMPU OPERASI (1000000000)	KOTAK KONTAK POWER OPERASI (1750A)	KOTAK KONTAK POWER SPARE (1750A)	KOTAK KONTAK LAJUT (1750A)	TOTAL WATT	BEBAN TERPASANG (AMP)	SWAK GUNA
17	PENDANT OPERASI 2		1	6					400	2.1	
18	KOTAK KONTAK ALAT MEDIS OK								200	1.1	
19									200	1.1	
20									200	1.1	
21									200	1.1	
22	SPARE										

TOTAL KVA	5,0
TOTAL WATT	4276

POWER PANEL OK 2-4
(PP.OK.2-PP.OK.4 - TIPIKAL)
TYPE TEST IEC 61439
FORM 2B/3B



NO	FUNGSI	CIRCUIT BREAKER		LAMPU LED LINTAS PANEL (100x30mm)	LAMPU OPERASI 300W	KOTAK KONTAK POWER PINTU 1 FASE	KOTAK KONTAK KONTAK LANTAI 1 FASE	TOTAL WATT	BEBAN TERPISANG (AMP)	SKALA GANDA
		JML KUTUB	TRIP AMP							
1	LAMPU RUANGAN	1	6	14				504	2,7	2
2	POWER PINTU RUANGAN					1		200	1,1	
3	SPARE									
4										

NO	FUNGSI	CIRCUIT BREAKER		LAMPU LED LINTAS PANEL (100x30mm)	LAMPU OPERASI 300W	KOTAK KONTAK POWER PINTU 1 FASE	KOTAK KONTAK KONTAK LANTAI 1 FASE	TOTAL WATT	BEBAN TERPISANG (AMP)	SKALA GANDA
		JML KUTUB	TRIP AMP							
5	LAMPU OPERASI	1	6		1			300	1,6	
6	KOTAK KONTAK ALAT MEDIS OK					1		200	1,1	
7								200	1,1	
8						1		200	1,1	
9	SPARE							200	1,1	
10										

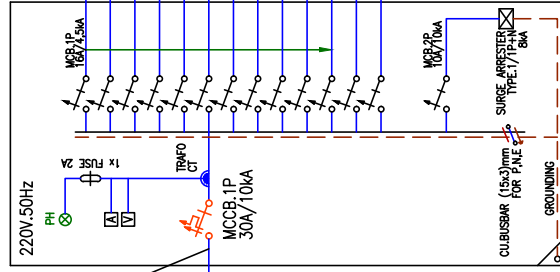
NO	FUNGSI	CIRCUIT BREAKER		LAMPU LED LINTAS PANEL (100x30mm)	LAMPU OPERASI 300W	KOTAK KONTAK POWER PINTU 1 FASE	KOTAK KONTAK KONTAK LANTAI 1 FASE	TOTAL WATT	BEBAN TERPISANG (AMP)	SKALA GANDA
		JML KUTUB	TRIP AMP							
11	PENDANT OPERASI 1	1	6		1			400	2,1	
12	KOTAK KONTAK ALAT MEDIS OK					1		200	1,1	
13								200	1,1	
14						1		200	1,1	
15	SPARE							200	1,1	
16										

NO	FUNGSI	CIRCUIT BREAKER		LAMPU LED LINTAS PANEL (100x30mm)	LAMPU OPERASI 300W	KOTAK KONTAK POWER PINTU 1 FASE	KOTAK KONTAK KONTAK LANTAI 1 FASE	TOTAL WATT	BEBAN TERPISANG (AMP)	SKALA GANDA
		JML KUTUB	TRIP AMP							
17	PENDANT OPERASI 2	1	6		1			400	2,1	
18	KOTAK KONTAK ALAT MEDIS OK					1		200	1,1	
19								200	1,1	
20						1		200	1,1	
21	SPARE							200	1,1	
22										

TOTAL KVA	4,9
TOTAL WATT	4204

POWER PANEL
ICU.1 (PP.ICU.1)

UK: 40 x 60 x 25CM



NY 3x6mm2 (P.N.E) - 1 CORE KABEL UNTUK GROUNDING (E), DISAMBUNG KE TERMINAL GROUNDING PANEL

UPS 6,3 KVA
1 PHASE
30 MENIT

MANUAL
COS 40A

NY 3x6mm2

NY 3x6mm2

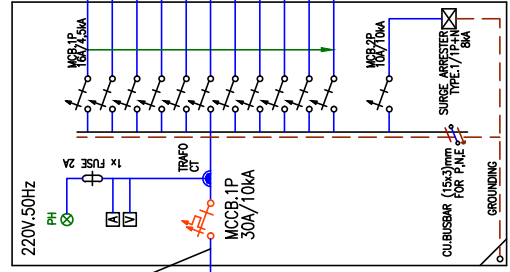
NY 3x6mm2 (P.N.E)
KE SDP OK & ICU
DI LANTAI 5

NO	FUNGSI	CIRCUIT BREAKER		TOTAL WATT	BEBAN TERPASANG (AMP)
		JML KUTUB	TRIP AMP		
1	KOTAK KONTRAK ALAT MEDIS ICU	1	16	385	2,3
2		1		385	2,3
3		1		385	2,3
4		1		385	2,3
5		1		385	2,3
6		1		385	2,3
7		1		385	2,3
8		1		385	2,3
9		1		385	2,3
10		1		385	2,3
11	SPIRE	1		385	2,3
12		1		385	2,3
13		1		385	2,3

TOTAL KVA	5,1
TOTAL WATT	3850

POWER PANEL
ICU.2 (PP.ICU.2)

UK: 40 x 60 x 25CM



NY 3x6mm2 (P.N.E) - 1 CORE KABEL UNTUK GROUNDING (E), DISAMBUNG KE TERMINAL GROUNDING PANEL

UPS 6,3 KVA
1 PHASE
30 MENIT

MANUAL
COS 40A

NY 3x6mm2

NY 3x6mm2

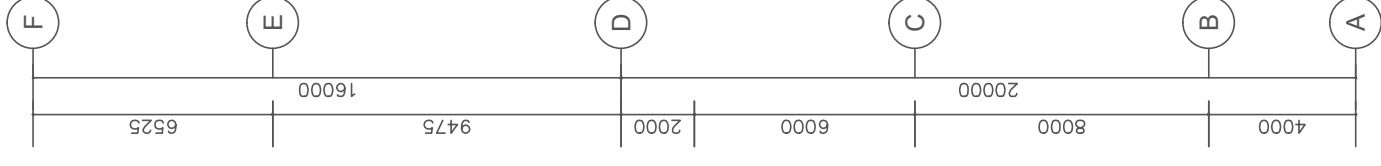
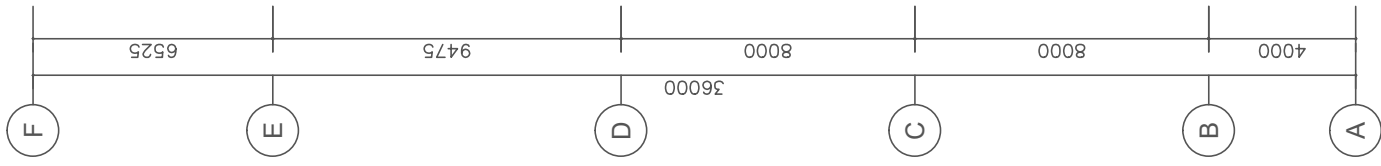
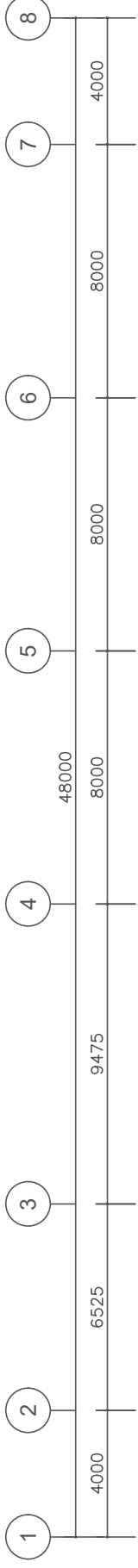
NY 3x6mm2 (P.N.E)
KE SDP OK & ICU
DI LANTAI 5

NO	FUNGSI	CIRCUIT BREAKER		TOTAL WATT	BEBAN TERPASANG (AMP)
		JML KUTUB	TRIP AMP		
1	KOTAK KONTRAK ALAT MEDIS ICU	1	16	385	2,3
2		1		385	2,3
3		1		385	2,3
4		1		385	2,3
5		1		385	2,3
6		1		385	2,3
7		1		385	2,3
8		1		385	2,3
9	SPIRE	1		385	2,3
10		1		385	2,3
11		1		385	2,3

TOTAL KVA	4,1
TOTAL WATT	3080

Lampiran 18

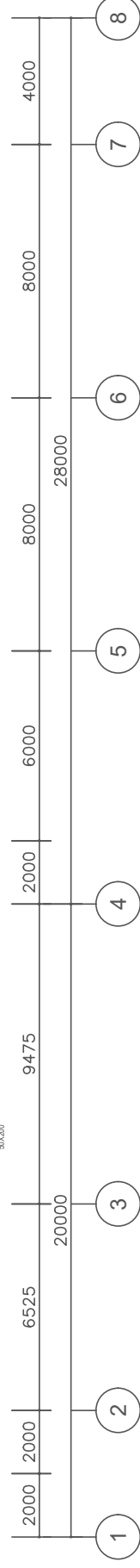
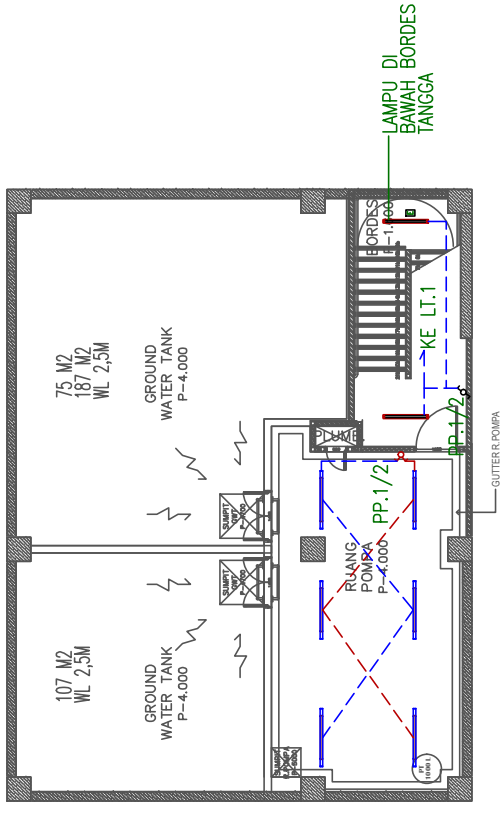
Penerangan

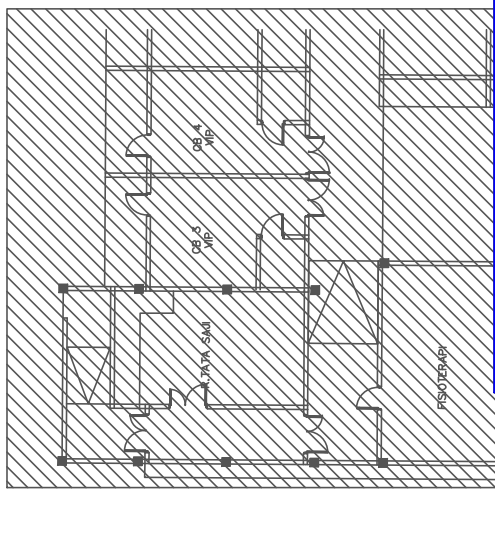


SIMBOL & KETERANGAN	
	DOWNLIGHT LED 12W (COVER PUTH SUSU)
	DOWNLIGHT LED 12W (COVER PUTH SUSU) + BATTERY
	DOWNLIGHT LED SPOT 5W
	BARET LED 12W
	BARET LED 12W + BATTERY
	LAMPU BEDHEAD TL LED 9W
	TL LED 18W (ARMATUR BALK OVAL / BAMBU)
	TL LED 18W (ARMATUR BALK OVAL / BAMBU) + BATTERY
	TL LED WEATHER PROOF 18W
	TL LED WEATHER PROOF 18W + BATTERY
	LED LIGHT PANEL 36W (P.L. = 1200x300mm)
	LED LIGHT PANEL 36W (P.L. = 1200x300mm) + BATTERY
	LAMPU EXIT 1 MUKA LED 10W
	EMERGENCY KIT (NICAD BATTERY)
	SAKLAR GANDA
	SAKLAR TUNGGAL
	SAKLAR HOTEL GANDA
	SAKLAR HOTEL TUNGGAL
	SAKLAR GANGS/GRID SWITCH

LP.X/X
 NO. GRUP (MCB) DI PANEL
 NAMA PANEL

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

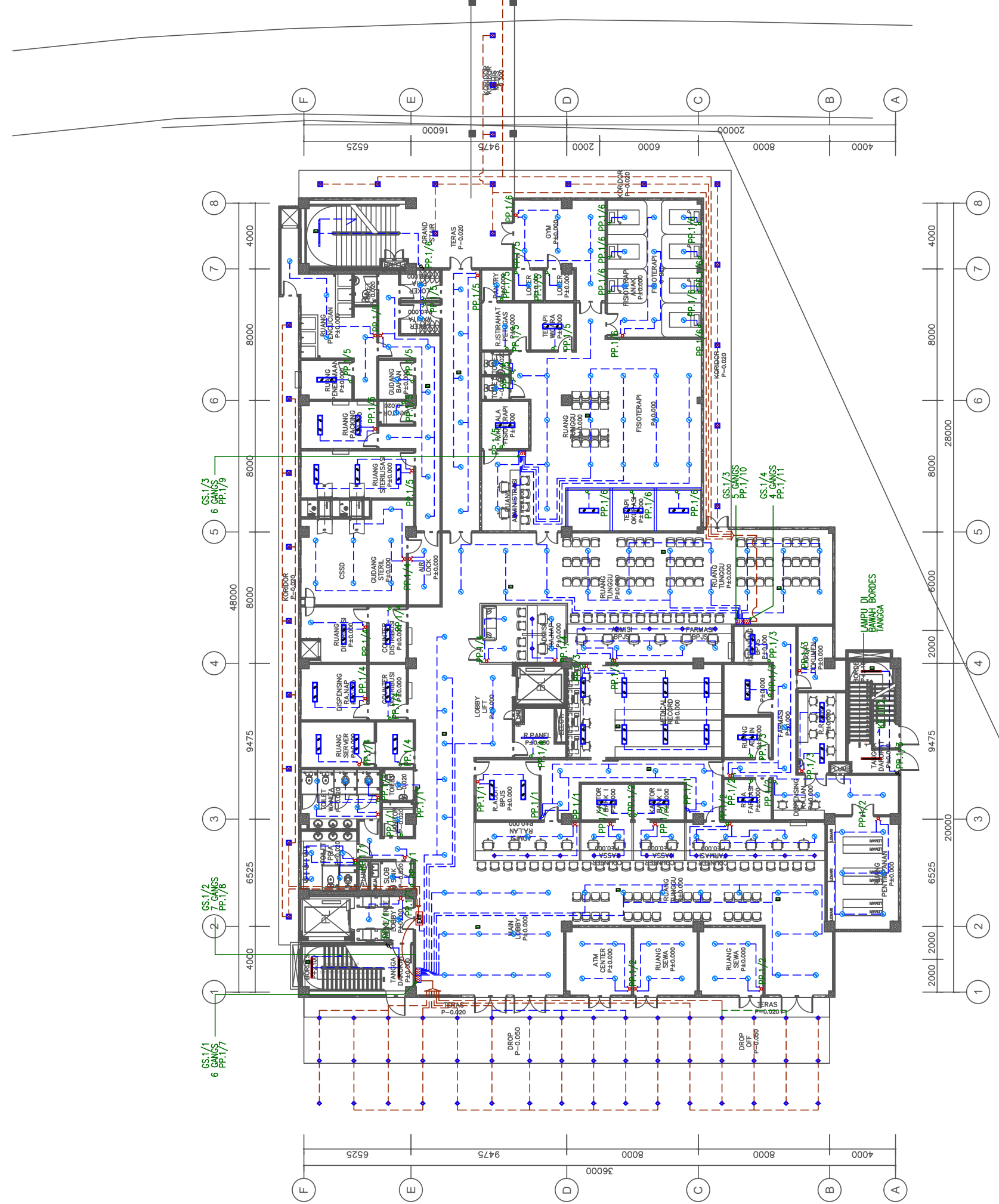


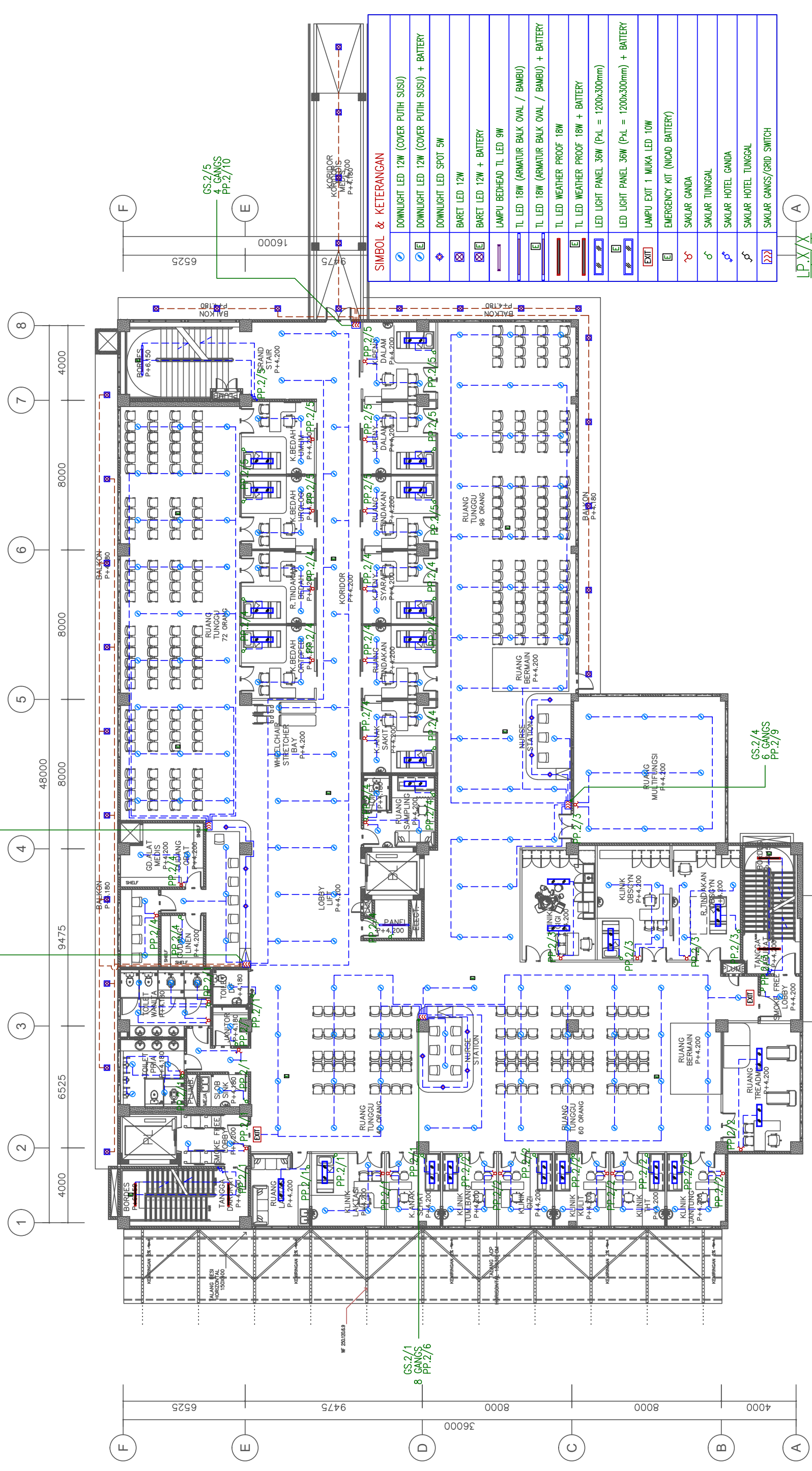


SIMBOL & KETERANGAN	
	DOWNLIGHT LED 12W (COVER PUTIH SUSU)
	DOWNLIGHT LED 12W (COVER PUTIH SUSU) + BATTERY
	DOWNLIGHT LED SPOT 5W
	BARET LED 12W
	BARET LED 12W + BATTERY
	LAMPU BEDHEAD TL LED 9W
	TL LED 18W (ARMATUR BALK OVAL / BAMBU)
	TL LED 18W (ARMATUR BALK OVAL / BAMBU) + BATTERY
	TL LED WEATHER PROOF 18W
	TL LED WEATHER PROOF 18W + BATTERY
	LED LIGHT PANEL 36W (PxL = 1200x300mm)
	LED LIGHT PANEL 36W (PxL = 1200x300mm) + BATTERY
	LAMPU EXIT 1 MUKA LED 10W
	EMERGENCY KIT (NICAD BATTERY)
	SAKLAR GANDA
	SAKLAR TUNGGAL
	SAKLAR HOTEL GANDA
	SAKLAR HOTEL TUNGGAL
	SAKLAR GANGS/GRID SWITCH



CATATAN :
 - INSTALASI PENERANGAN MENGGUNAKAN KABEL NYM 3x2,5mm² DALAM HIGH IMPACT CONDUIT Ø20mm
 - LAMPU EMERGENCY HARUS DAPAT DIFUNGSIKAN SEBAGAI LAMPU NORMAL





SIMBOL & KETERANGAN

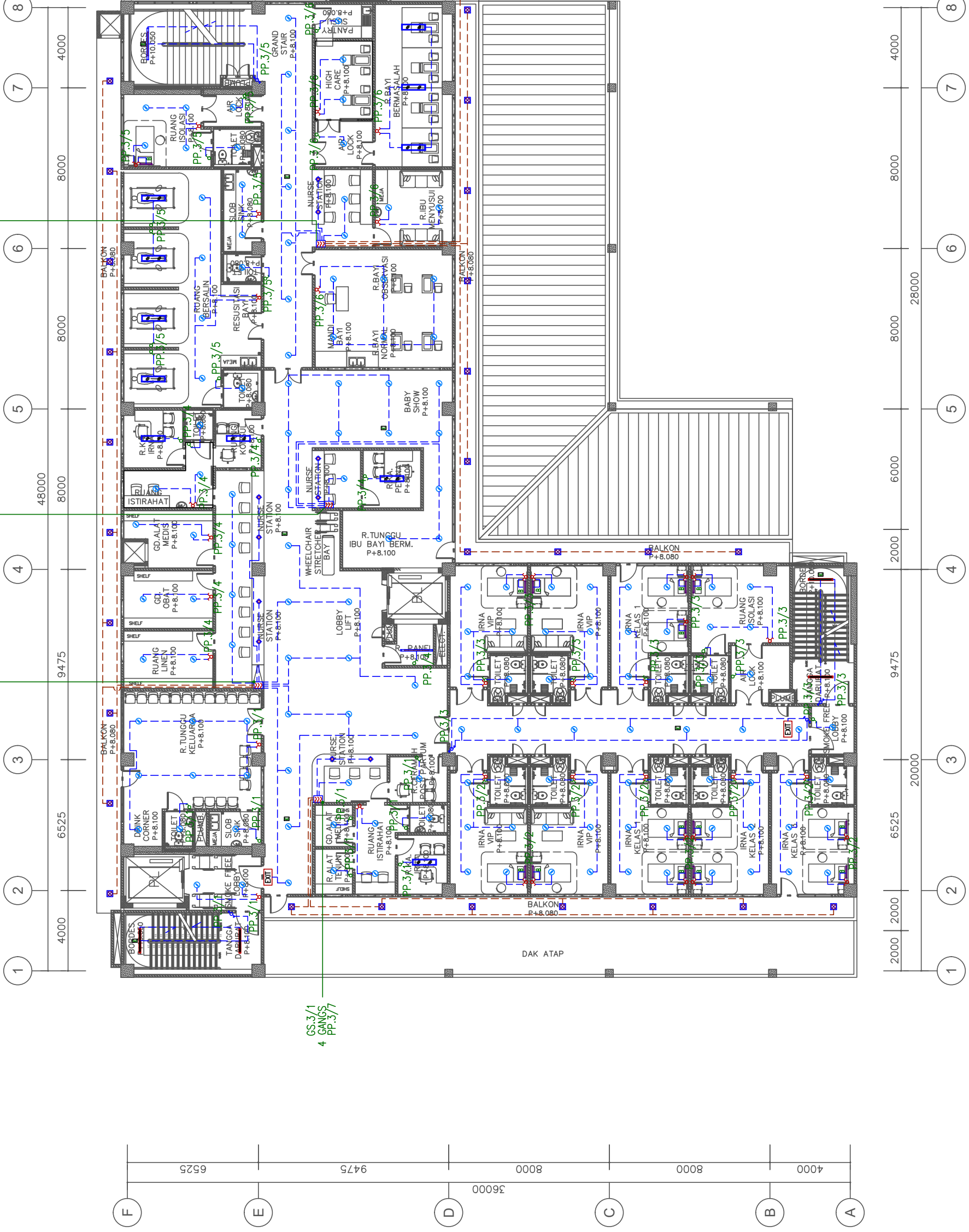
	DOWNLIGHT LED 12W (COVER PUTH SUSU)
	DOWNLIGHT LED 12W (COVER PUTH SUSU) + BATTERY
	DOWNLIGHT LED SPOT 5W
	BARET LED 12W
	BARET LED 12W + BATTERY
	LAMPU BEDHEAD TL LED 9W
	TL LED 18W (ARMATUR BALK OVAL / BAMBU)
	TL LED 18W (ARMATUR BALK OVAL / BAMBU) + BATTERY
	TL LED WEATHER PROOF 18W
	TL LED WEATHER PROOF 18W + BATTERY
	LED LIGHT PANEL 36W (PxL = 1200x300mm)
	LED LIGHT PANEL 36W (PxL = 1200x300mm) + BATTERY
	LAMPU EXIT 1 MUKA LED 10W
	EMERGENCY KIT (NICAD BATTERY)
	SAKLAR GANDA
	SAKLAR TUNGGAL
	SAKLAR HOTEL GANDA
	SAKLAR HOTEL TUNGGAL
	SAKLAR GANGS/GRID SWITCH

CAITIAN :

- INSTALASI PENERANGAN MENGGUNAKAN KABEL NYM 3x2,5mm² DALAM HIGH IMPACT CONDUIT Ø20mm
- LAMPU EMERGENCY HARUS DAPAT DIFUNGSIKAN SEBAGAI LAMPU NORMAL

RENCANA PENERANGAN
LANTAI 2

SKALA 1 : 150

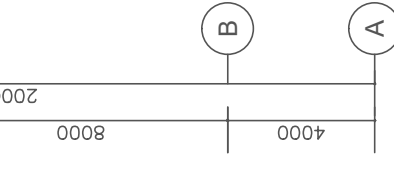


SIMBOL & KETERANGAN	
	DOWNLIGHT LED 12W (COVER PUTH SISI)
	DOWNLIGHT LED 12W (COVER PUTH SISI) + BATTERY
	DOWNLIGHT LED SPOT 5W
	BARET LED 12W
	BARET LED 12W + BATTERY
	LAMPU BEDHEAD TL LED 9W
	TL LED 18W (ARMATUR BALK OVAL / BAMBU)
	TL LED 18W (ARMATUR BALK OVAL / BAMBU) + BATTERY
	TL LED WEATHER PROOF 18W
	TL LED WEATHER PROOF 18W + BATTERY
	LED LIGHT PANEL 36W (PxL = 1200x300mm)
	LED LIGHT PANEL 36W (PxL = 1200x300mm) + BATTERY
	LAMPU EXIT 1 MUKA LED 10W
	EMERGENCY KIT (NICAD BATTERY)
	SAKLAR GANDA
	SAKLAR TUNGGAL
	SAKLAR HOTEL GANDA
	SAKLAR HOTEL TUNGGAL
	SAKLAR GANGS/GRID SWITCH

LP.X/X
500

NO. GRUP (MCE) DI PANEL
NAMA PANEL

CATATAN:
- INSTALASI PENYERANG MENGGUNAKAN KABEL NYM 3x2.5mm² DALAM HIGH IMPACT CONDUIT Ø20mm
- LAMPU EMERGENCY HARUS DAPAT DIFUNGSIKAN SEBAGAI LAMPU NORMAL

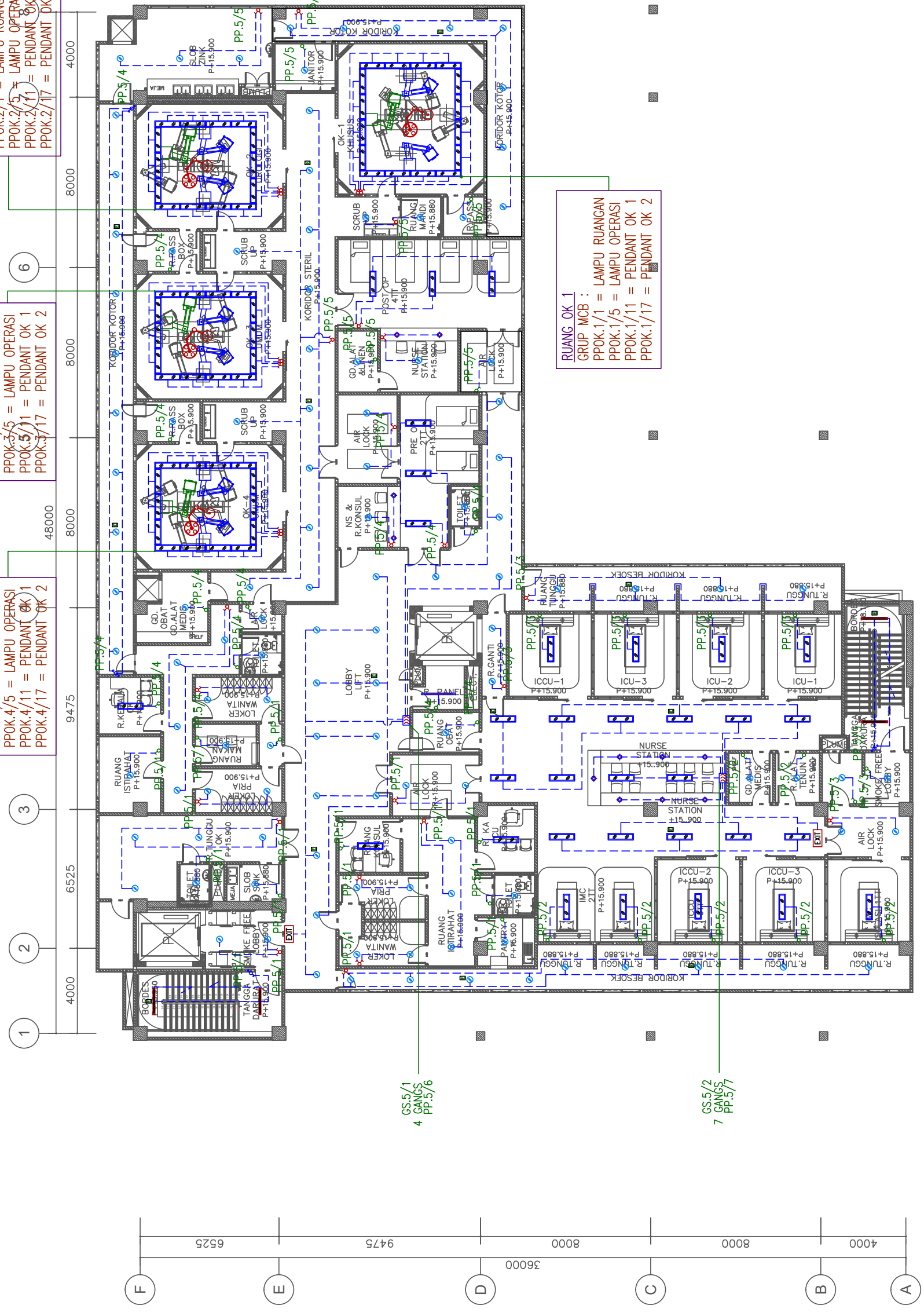


RENCANA PENERANGAN
LANTAI 3
SKALA 1 : 150



SIMBOL & KETERANGAN	
	DOWNLIGHT LED 12W (COVER PUTHIH SUSU)
	DOWNLIGHT LED 12W (COVER PUTHIH SUSU) + BATTERY
	DOWNLIGHT LED SPOT 5W
	BARET LED 12W
	BARET LED 12W + BATTERY
	LAMPU BEDHEAD TL LED 9W
	TL LED 18W (ARMATUR BALK OVAL / BAMBU)
	TL LED 18W (ARMATUR BALK OVAL / BAMBU) + BATTERY
	TL LED WEATHER PROOF 18W
	TL LED WEATHER PROOF 18W + BATTERY
	LED LIGHT PANEL 36W (PxL = 1200x300mm)
	LED LIGHT PANEL 36W (PxL = 1200x300mm) + BATTERY
	LAMPU EXIT 1 MUKA LED 10W
	EMERGENCY KIT (NICAD BATTERY)
	SAKLAR GANDA
	SAKLAR TUNGGAL
	SAKLAR HOTEL GANDA
	SAKLAR HOTEL TUNGGAL
	SAKLAR GANGS/GRID SWITCH

L.P.X/X
 NO. GRUP (MGB) DI PANEL
 NMA PANEL
CATATAN :
 - INSTALASI PENYERANG MENGGUNAKAN KABEL NYM 3x2,5mm² DALAM HIGH IMPACT CONDUIT ø20mm
 - LAMPU EMERGENCY HARUS DAPAT DIFUNGSIKAN SEBAGAI LAMPU NORMAL



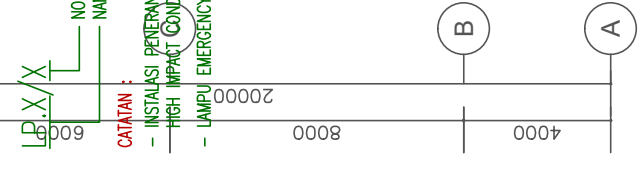
RUANG OK 2
 GRUP MCB :
 PPOK.2/1 = LAMPU RUANGAN
 PPOK.2/5 = LAMPU OPERASI
 PPOK.2/11 = PENDANT OK 1
 PPOK.2/17 = PENDANT OK 2

RUANG OK 3
 GRUP MCB :
 PPOK.3/1 = LAMPU RUANGAN
 PPOK.3/5 = LAMPU OPERASI
 PPOK.3/11 = PENDANT OK 1
 PPOK.3/17 = PENDANT OK 2

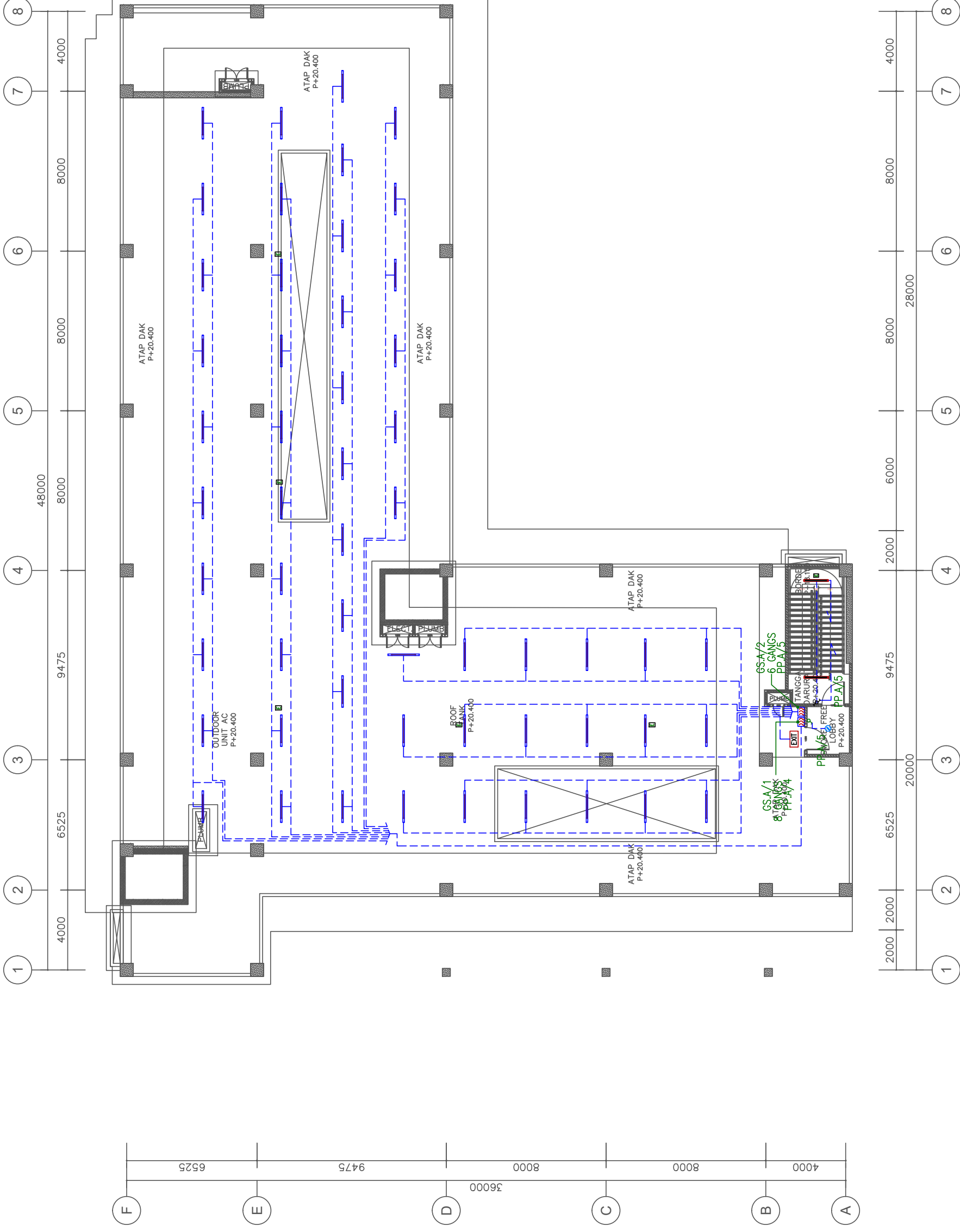
RUANG OK 4
 GRUP MCB :
 PPOK.4/1 = LAMPU RUANGAN
 PPOK.4/5 = LAMPU OPERASI
 PPOK.4/11 = PENDANT OK 1
 PPOK.4/17 = PENDANT OK 2

RUANG OK 1
 GRUP MCB :
 PPOK.1/1 = LAMPU RUANGAN
 PPOK.1/5 = LAMPU OPERASI
 PPOK.1/11 = PENDANT OK 1
 PPOK.1/17 = PENDANT OK 2

SIMBOL & KETERANGAN	
	DOWNLIGHT LED 12W (COVER PUTH SISI)
	DOWNLIGHT LED 12W (COVER PUTH SISI) + BATTERY
	DOWNLIGHT LED SPOT 5W
	BARET LED 12W
	BARET LED 12W + BATTERY
	LAMPU BEDHEAD TL LED 9W
	TL LED 18W (ARMATUR BALK OVAL / BAMBU)
	TL LED 18W (ARMATUR BALK OVAL / BAMBU) + BATTERY
	TL LED WEATHER PROOF 18W
	TL LED WEATHER PROOF 18W + BATTERY
	LED LIGHT PANEL 36W (PxL = 1200x300mm)
	LED LIGHT PANEL 36W (PxL = 1200x300mm) + BATTERY
	LAMPU EXIT 1 MUKA LED 10W
	EMERGENCY KIT (NICAD BATTERY)
	SAKLAR GANDA
	SAKLAR TUNGGAL
	SAKLAR HOTEL GANDA
	SAKLAR HOTEL TUNGGAL
	SAKLAR GANGS/GRID SWITCH

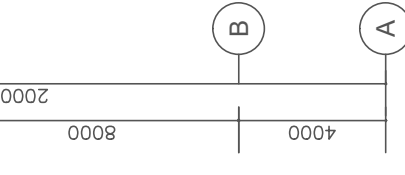


CATATAN :
 - INSTALASI PENERANGAN MENGGUNAKAN KABEL NYM 3x2.5mm² DALAM HIGH IMPACT CONDUIT ø20mm
 - LAMPU EMERGENCY HARUS DAPAT DIFUNGSIKAN SEBAGAI LAMPU NORMAL



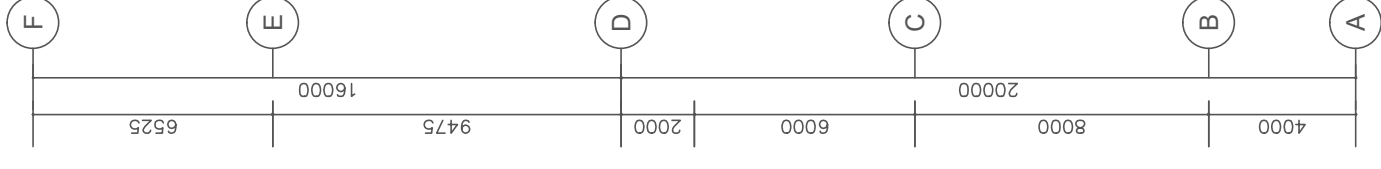
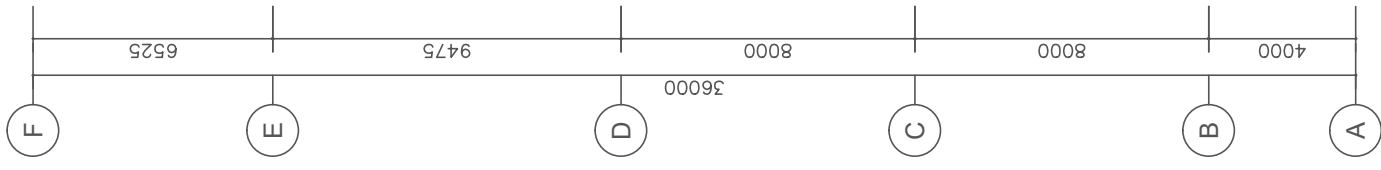
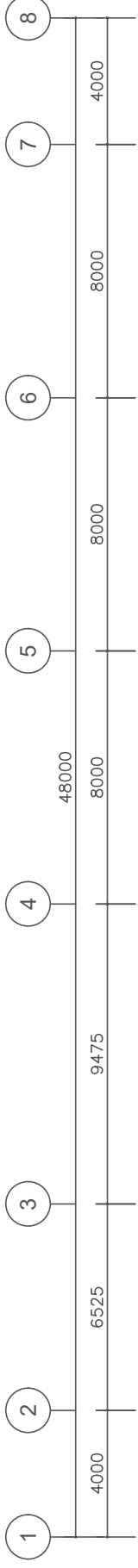
SIMBOL & KETERANGAN	
	DOWNLIGHT LED 12W (COVER PUTIH SUSU)
	DOWNLIGHT LED 12W (COVER PUTIH SUSU) + BATTERY
	DOWNLIGHT LED SPOT 5W
	BARET LED 12W
	BARET LED 12W + BATTERY
	LAMPU BEDHEAD TL LED 9W
	TL LED 18W (ARMATUR BALK OVAL / BAMBU)
	TL LED 18W (ARMATUR BALK OVAL / BAMBU) + BATTERY
	TL LED WEATHER PROOF 18W
	TL LED WEATHER PROOF 18W + BATTERY
	LED LIGHT PANEL 36W (P.xL = 1200x300mm)
	LED LIGHT PANEL 36W (P.xL = 1200x300mm) + BATTERY
	LAMPU EXIT 1 MUKA LED 10W
	EMERGENCY KIT (NICAD BATTERY)
	SAKLAR GANDA
	SAKLAR TUNGGAL
	SAKLAR HOTEL GANDA
	SAKLAR HOTEL TUNGGAL
	SAKLAR GANGS/GRID SWITCH

NO. GRUP (MCB) DI PANEL
 NAMA PANEL
CATATAN :
 - INSTALASI PENGERANGAN MENGGUNAKAN KABEL NYM 3x2,5mm² DALAM HIGH IMPACT CONDUIT ø20mm
 - LAMPU EMERGENCY HARUS DAPAT DIFUNGSIKAN SEBAGAI LAMPU NORMAL



Lampiran 19

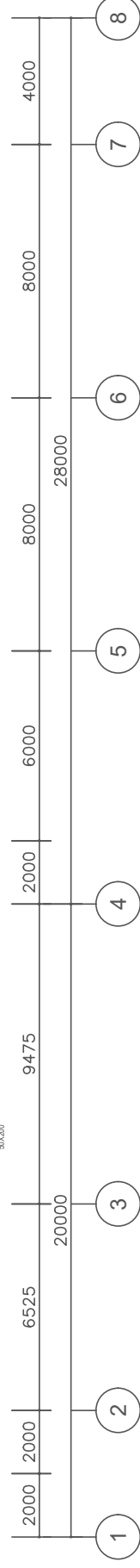
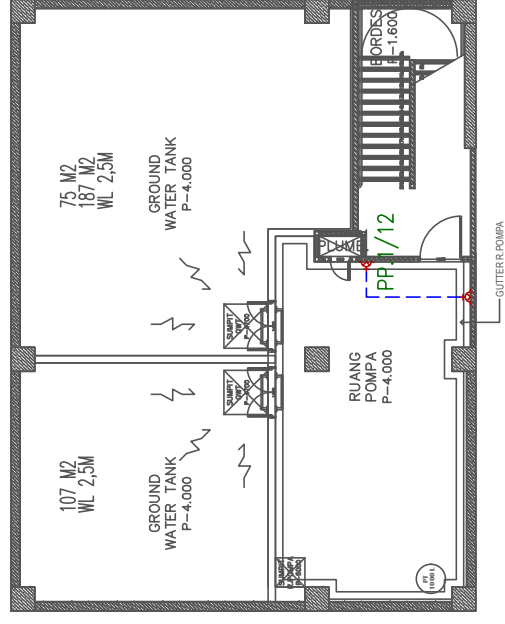
Kotak Kontak

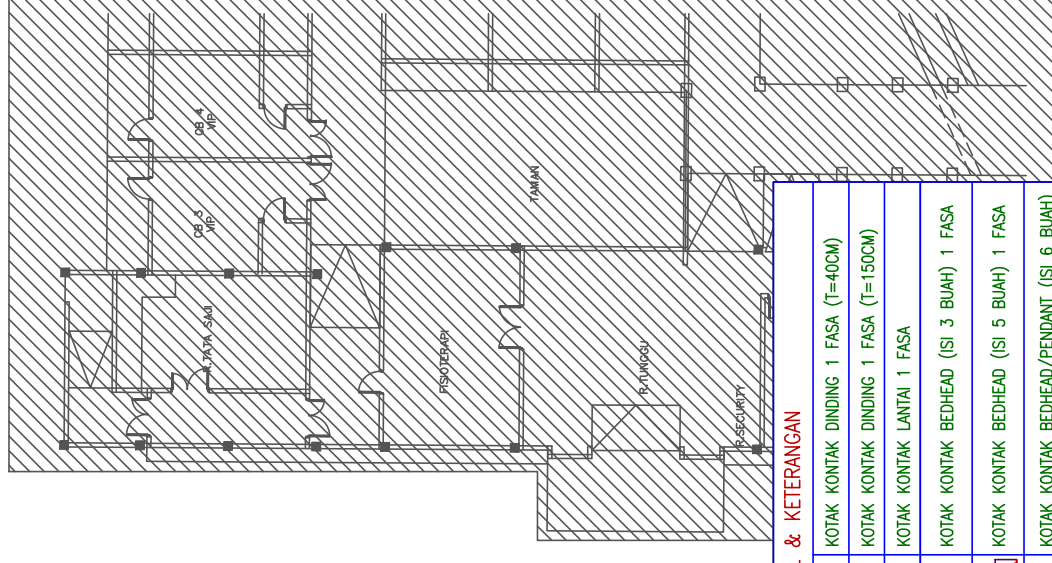


SIMBOL & KETERANGAN	
	KOTAK KONTAK DINDING 1 FASA (T=40CM)
	KOTAK KONTAK DINDING 1 FASA (T=150CM)
	KOTAK KONTAK LANTAI 1 FASA
	KOTAK KONTAK BEDHEAD (ISI 3 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD (ISI 5 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD/PENDANT (ISI 6 BUAH) 1 FASA



INSTALASI KOTAK KONTAK MENGGUNAKAN KABEL NYM 3x2,5mm² DALAM HIGH IMPACT CONDUIT Ø20mm





SIMBOL & KETERANGAN	
	KOTAK KONTAK DINDING 1 FASA (T=40CM)
	KOTAK KONTAK DINDING 1 FASA (T=150CM)
	KOTAK KONTAK LANTAI 1 FASA
	KOTAK KONTAK BEDHEAD (SI 3 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD (SI 5 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD/PENDANT (SI 6 BUAH) 1 FASA

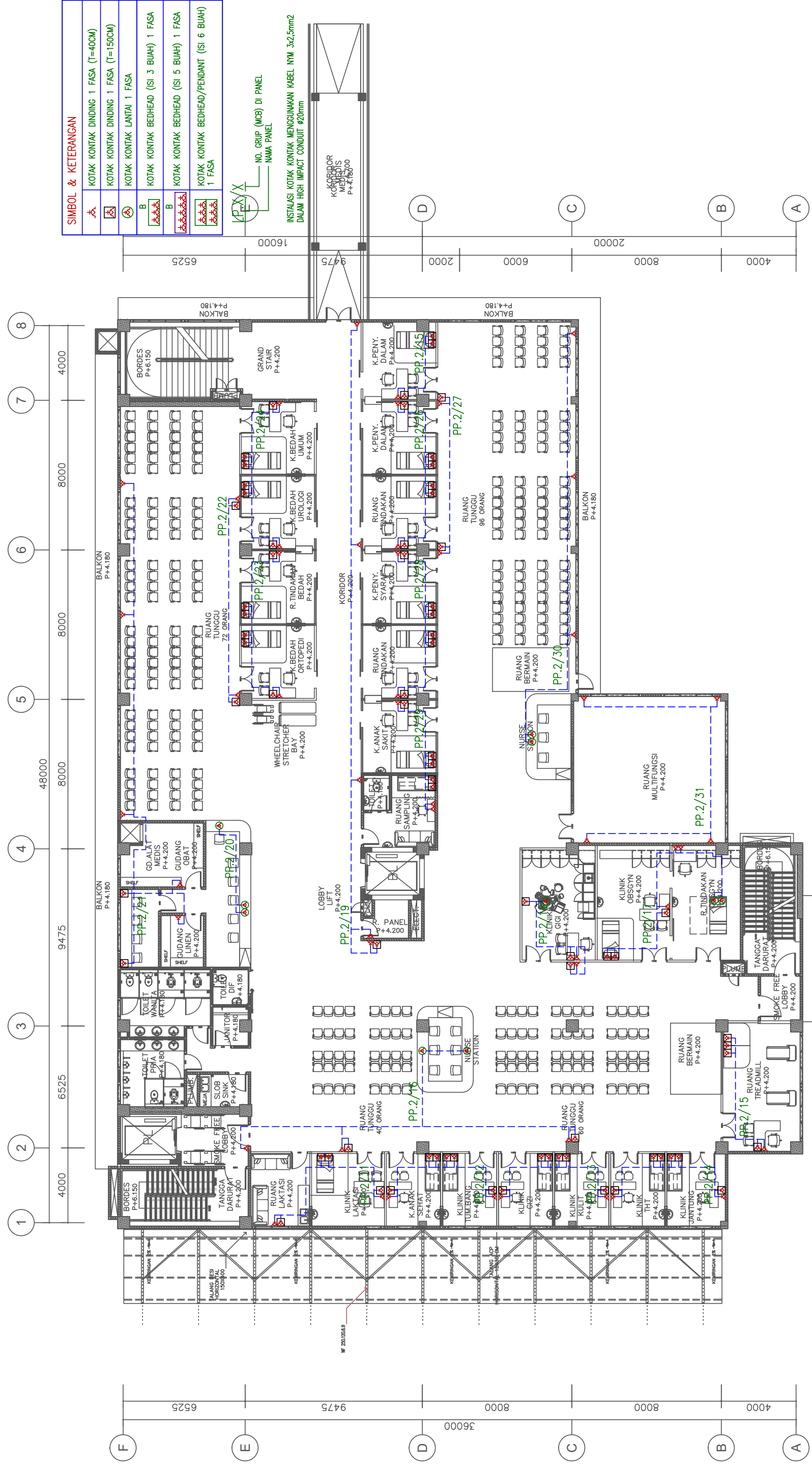
LP/X/X
 NO. GRUP (MGB) DI PANEL
 NAMA PANEL

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

SERIAL CCTV
 SERVER DATA
 SENTRAL MATV
 SENTRAL TELEPON

PERLETTAKAN DAN SENSORS OUTLET
 KOTAK KONTAK UNTUK EQUIPMENT
 CSSD, OLEH VENDOR CSSD

SERIAL FIRE ALARM
 SERIAL SOUND SYSTEM



SIMBOL & KETERANGAN

	KOTAK KONTAK DINDING 1 FASA (T=40CM)
	KOTAK KONTAK DINDING 1 FASA (T=150CM)
	KOTAK KONTAK LANTAI 1 FASA
	KOTAK KONTAK BEDHEAD (SI 3 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD (SI 5 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD/PENDANT (SI 6 BUAH) 1 FASA

NO. GRUP (MCB) DI PANEL
NAMA PANEL

INSTALASI KOTAK KONTAK MENGGUNAKAN KABEL NYM 3x2,5mm²
DALAM HIGH IMPACT CONDUIT 420mm

KORIDOR
MELUBANGI
P+4.1800

**RENCANA KOTAK KONTAK
LANTAI 2**
SKALA 1 : 150



SIMBOL & KETERANGAN

	KOTAK KONTAK DINDING 1 FASA (T=40CM)
	KOTAK KONTAK DINDING 1 FASA (T=150CM)
	KOTAK KONTAK LANTAI 1 FASA
	KOTAK KONTAK BEDHEAD (SI 3 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD (SI 5 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD/PENDANT (SI 6 BUAH) 1 FASA



NO. GRUP (MCB) DI PANEL
NAMA PANEL



SIMBOL & KETERANGAN

	KOTAK KONTAK DINDING 1 FASA (T=40CM)
	KOTAK KONTAK DINDING 1 FASA (T=150CM)
	KOTAK KONTAK LANTAI 1 FASA
	KOTAK KONTAK BEDHEAD (SI 3 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD (SI 5 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD/PENDANT (SI 6 BUAH) 1 FASA



INSTALASI KOTAK KONTAK MENGGUNAKAN KABEL NYM 3x2,5mm²
DALAM HIGH IMPACT CONDUIT Ø20mm

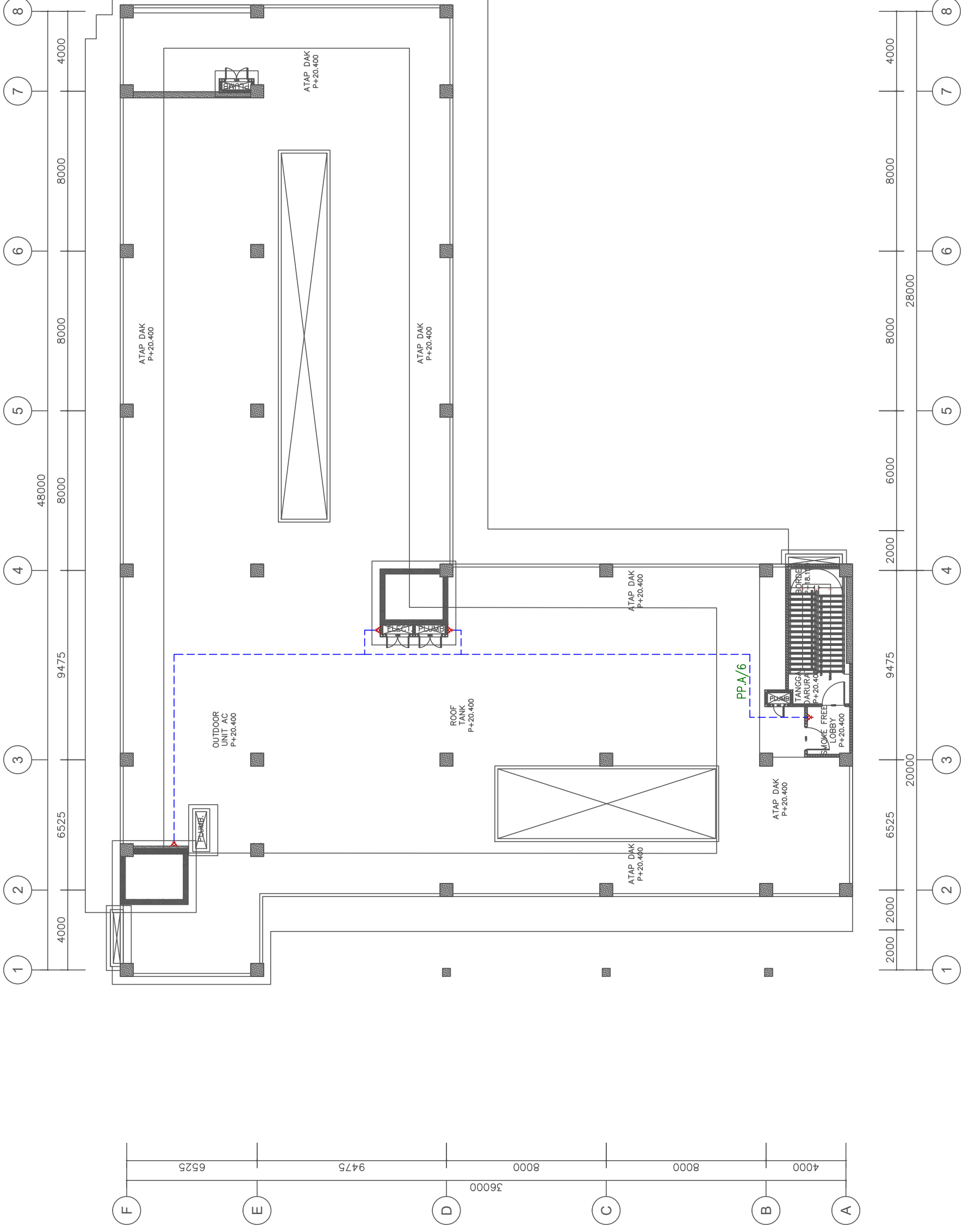


SIMBOL & KETERANGAN	
	KOTAK KONTAK DINDING 1 FASA (T=40CM)
	KOTAK KONTAK DINDING 1 FASA (T=150CM)
	KOTAK KONTAK LANTAI 1 FASA
	KOTAK KONTAK BEDHEAD (SI 3 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD (SI 5 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD/PENDANT (SI 6 BUAH) 1 FASA

NO. GRUP (MCB) DI PANEL
 NMA PANEL

INSTALASI KOTAK KONTAK MENGGUNAKAN KABEL NYM 3x2,5mm²
 DALAM HIGH IMPACT CONDUIT Ø20mm

RENCANA KOTAK KONTAK
LANTAI 5
 SKALA 1 : 150



SIMBOL & KETERANGAN	
	KOTAK KONTAK DINDING 1 FASA (T=40CM)
	KOTAK KONTAK DINDING 1 FASA (T=150CM)
	KOTAK KONTAK LANTAI 1 FASA
	KOTAK KONTAK BEDHEAD (SI 3 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD (SI 5 BUAH) 1 FASA
	KOTAK KONTAK BEDHEAD/PENDANT (SI 6 BUAH) 1 FASA



INSTALASI KOTAK KONTAK MENGGUNAKAN KABEL NYM 3x2,5mm² DALAM HIGH IMPACT CONDUIT Ø20mm

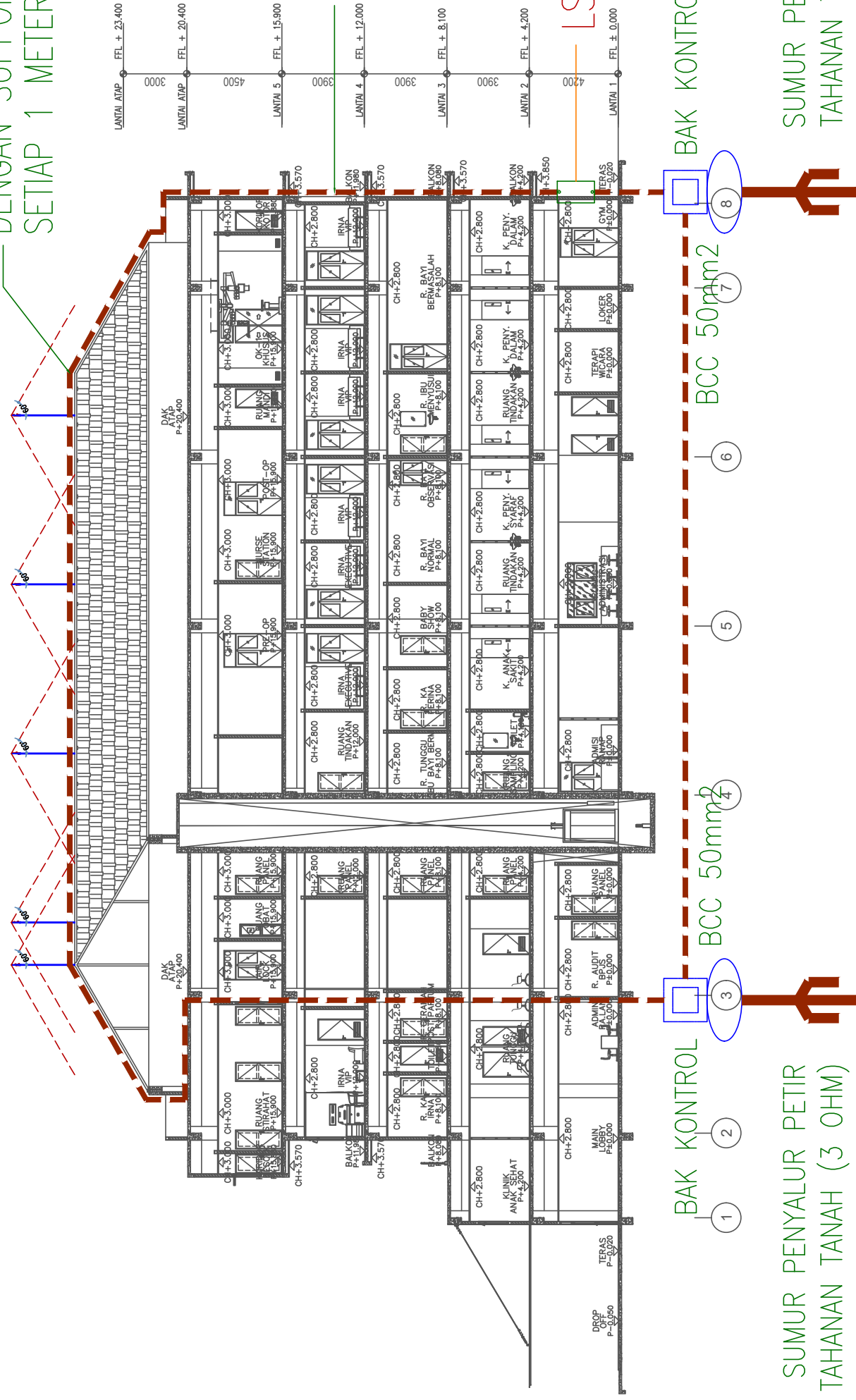
Lampiran 20

Penyalur Petir

KABEL BCC 50mm²
DIPASANG DI ATAS ATAP
DENGAN SUPPORT BESI
SETIAP 1 METER

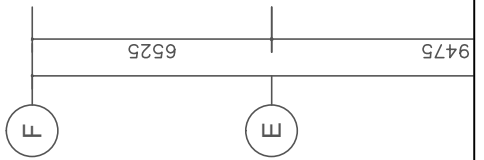
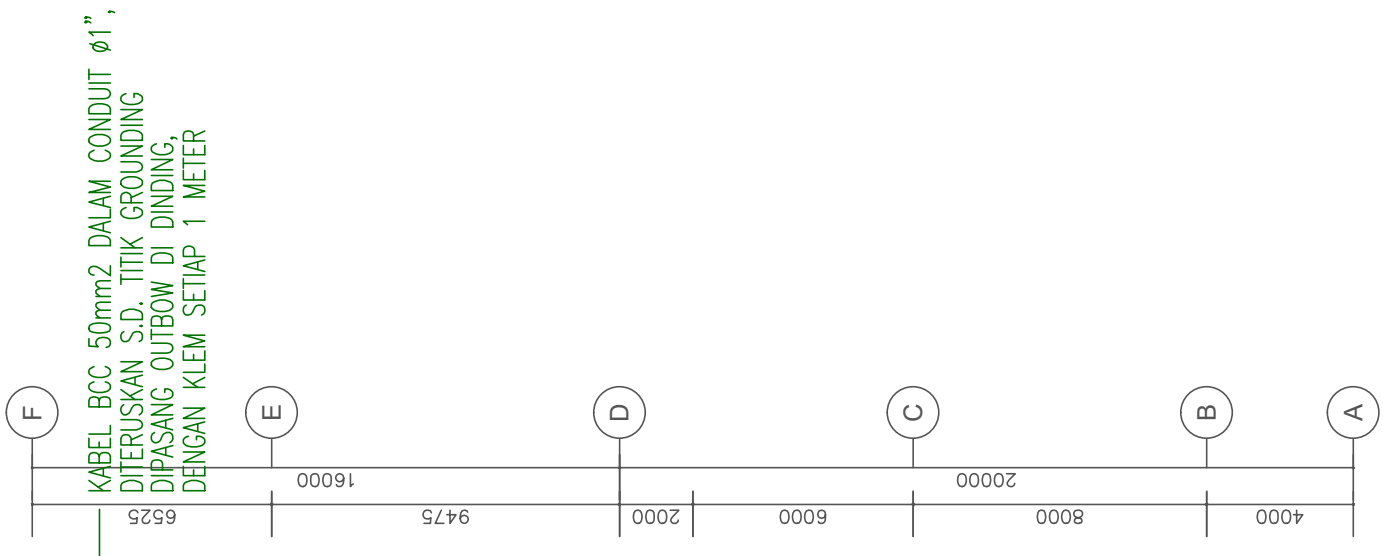
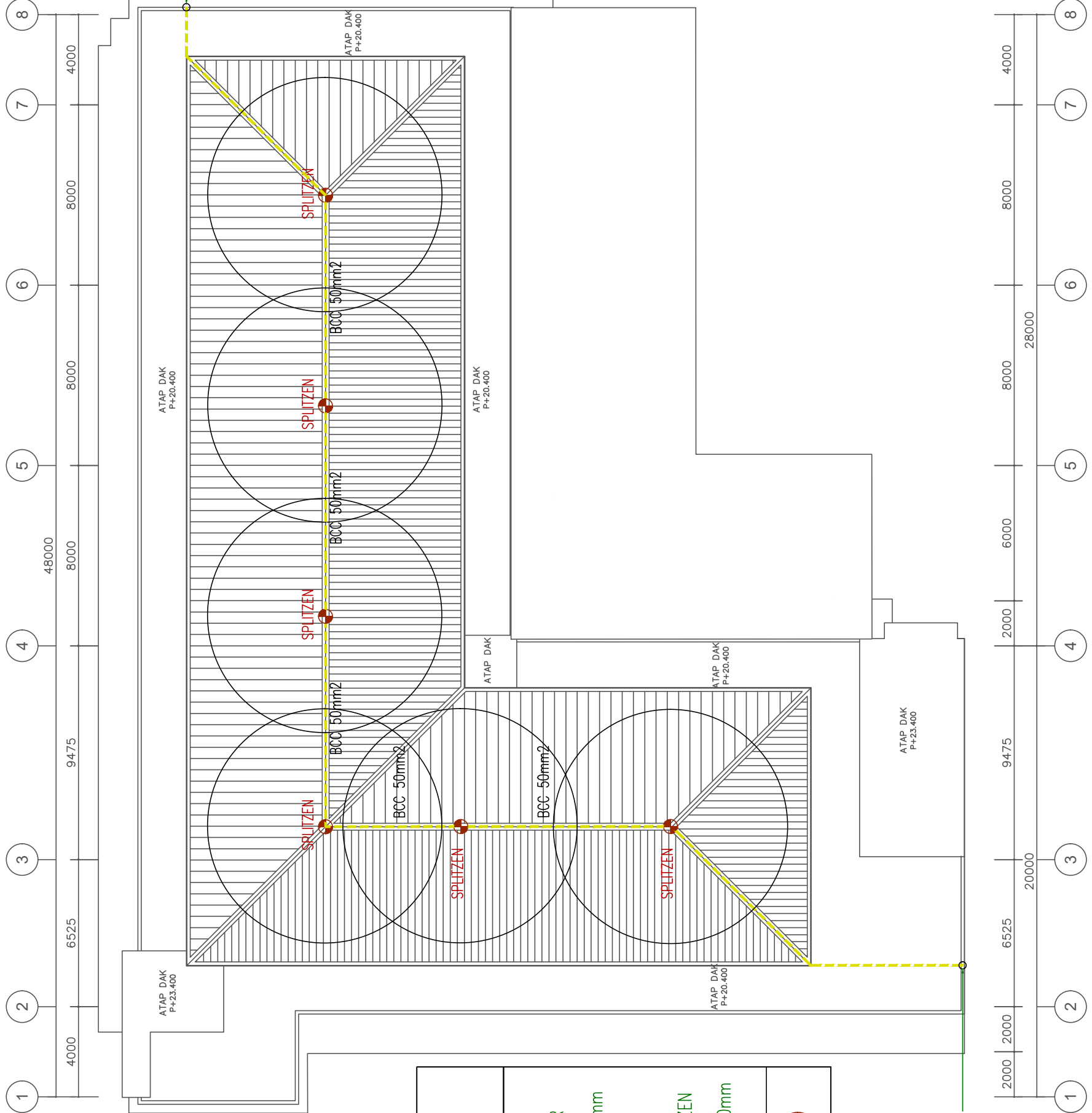
KABEL BCC 50mm² DALAM CONDUIT $\phi 1''$,
DITERUSKAN S.D. TITIK GROUNDING
DIPASANG OUTBOW DI DINDING,
DENGAN KLEM SETIAP 1 METER

LSR (LIGHTNING STRIKE RECORDER)



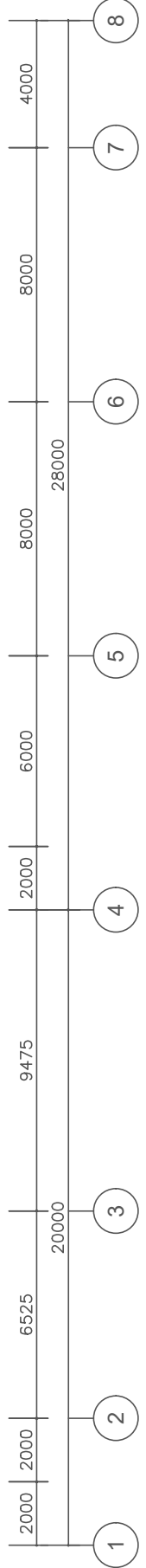
SUMUR PENYALUR PETIR
TAHANAN TANAH (3 OHM)

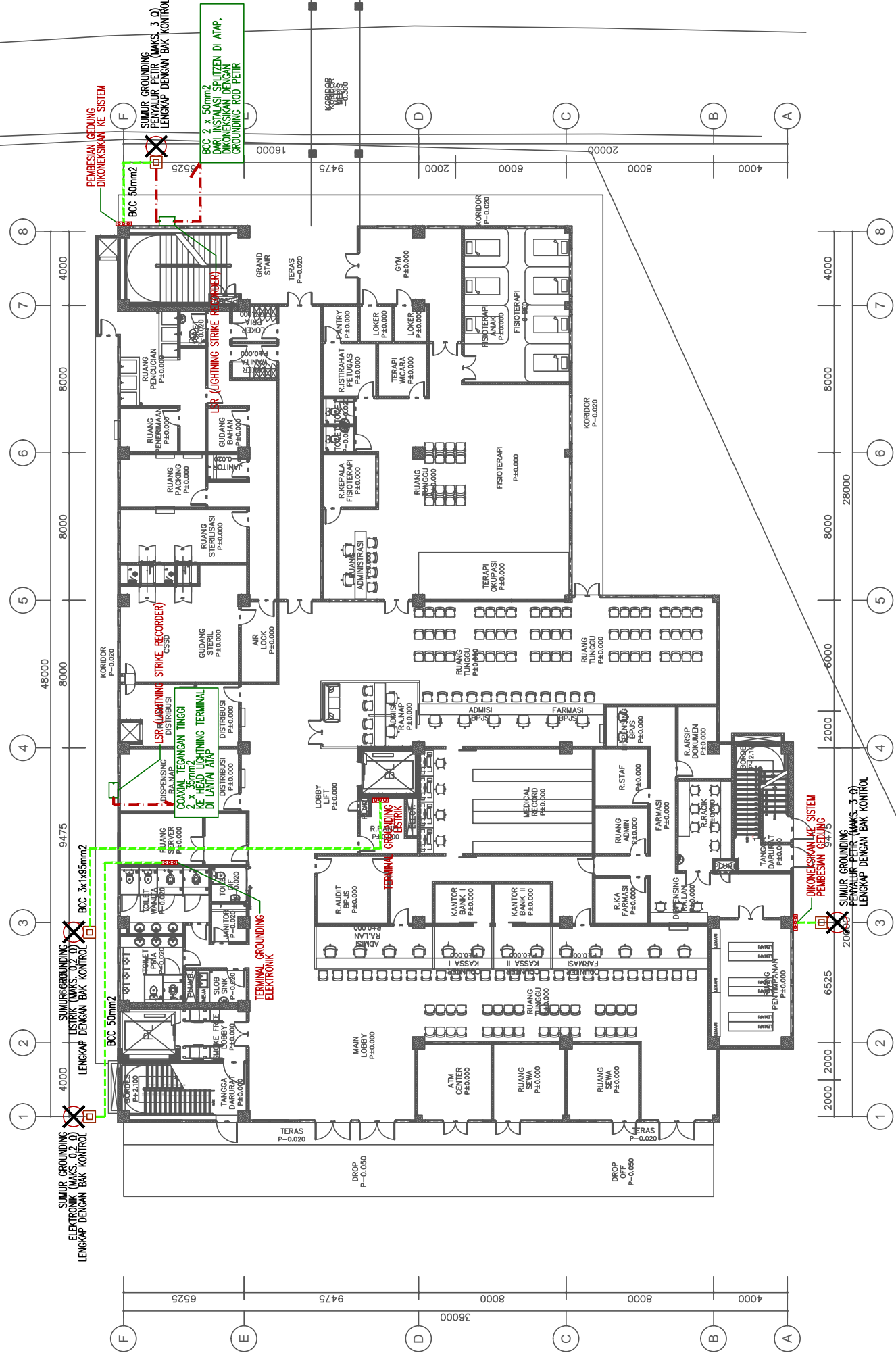
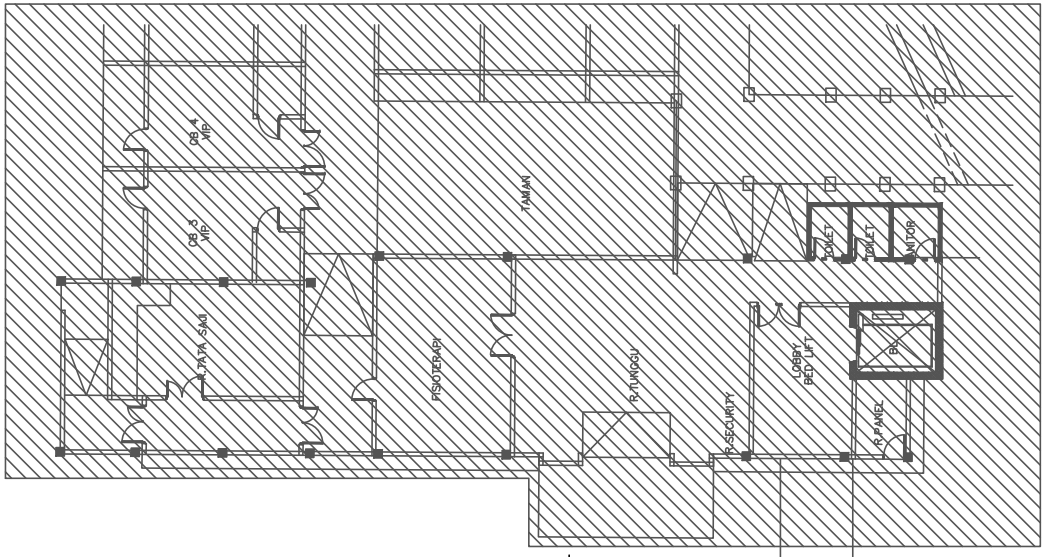
SUMUR PENYALUR PETIR
TAHANAN TANAH (3 OHM)



<p>TIANG PENYALUR PETIR SPLITZEN KONVENSIONAL TINGGI TOTAL TIANG = 3000mm</p>	<p>TOMBAK SPLITZEN PETIR TEMBAGA $\phi 3/4"$ PANJANG TOTAL = 300mm</p> <p>PIPA PENYANGGA SPLITZEN GALVANIS $\phi 1"$ PANJANG TOTAL = 2700mm</p>
<p>DETIL TIANG PENYALUR PETIR</p> <p style="text-align: right;">SKALA NIS</p>	

KABEL BCC 50mm² DALAM CONDUIT $\phi 1"$,
DITERUSKAN S.D. TITIK GROUNDING
DIPASANG OUTBOW DI DINDING,
DENGAN KLEM SETIAP 1 METER





Lampiran 21

Layout Power House

GENSET BARU TIPE OPEN
1000 KVA PRIME
PxLxT = 4900x2200x2300mm

PIT KABEL DENGAN GRILLE PENUTUP
- LEBAR : 400mm
- KEDALAMAN : 600mm

BAK KONTROL KABEL
- P x L : 600x600mm
- KEDALAMAN : 800mm

PONDASI GENSET
P+150mm DARI FINISH
LANTAI RUANGAN
(DIKELILINGI GUTTER
LEBAR 100mm,
KEDALAMAN 200mm)

SOUND ATTENUATOR
PxLxT = 2600x1000x1000mm

TANGKI HARIAN
BBM GENSET
1000 LITER

ISOLASI RUANG GENSET
ROCKWOOL DENSITY 100 KG/M3
KETEBALAN 100mm

TANGKI MINGGUAN
BBM GENSET
5000 LITER

EXHAUST LOUVRE
1000x400mm

EXHAUST LOUVRE
1000x400mm

PANEL KAPASITOR
BANK 2 CELL

PONDASI PANEL TR
P+150mm DARI FINISH
LANTAI RUANGAN

PIT KABEL DENGAN GRILLE PENUTUP
- LEBAR : 400mm
- KEDALAMAN : 600mm

BAK KONTROL KABEL
- P x L : 600x600mm
- KEDALAMAN : 800mm

SOUND ATTENUATOR
PxLxT = 2600x1000x1000mm

TANGKI HARIAN
BBM GENSET
1000 LITER

ISOLASI RUANG GENSET
ROCKWOOL DENSITY 100 KG/M3
KETEBALAN 100mm

TANGKI MINGGUAN
BBM GENSET
5000 LITER

EXHAUST LOUVRE
1000x400mm

EXHAUST LOUVRE
1000x400mm

PANEL KAPASITOR
BANK 2 CELL

PONDASI PANEL TR
P+150mm DARI FINISH
LANTAI RUANGAN

PONDASI TRAFU
P+150mm DARI FINISH
LANTAI RUANGAN

INDOOR TRAFU 1250 KVA
OIL-IMMERSED
PxLxT = 2000x1200x1800mm

PIT KABEL DENGAN GRILLE PENUTUP
- LEBAR : 500mm
- KEDALAMAN : 600mm

PANEL TM PELANGGAN 2 CELL
(1) INCOMING DARI PANEL TM PLN
(2) OUTGOING KE TRAFU

PONDASI PANEL TM PELANGGAN
P+150mm DARI FINISH
LANTAI RUANGAN

PANEL TM PLN 2 CELL
(1) INCOMING PLN
(2) OUTGOING KE
PANEL TM PELANGGAN

PONDASI PANEL TM PLN
P+150mm DARI FINISH
LANTAI RUANGAN

BAK KONTROL KABEL
- P x L : 600x600mm
- KEDALAMAN : 800mm

LVM DP 4 CELL

(1) INCOMING DARI TRAFU
(2) INCOMING DARI GENSET BARU
(3) OUTGOING - LOAD 1
(4) OUTGOING - LOAD 2

