



LAMPIRAN A



HASIL SONDIR MANUAL

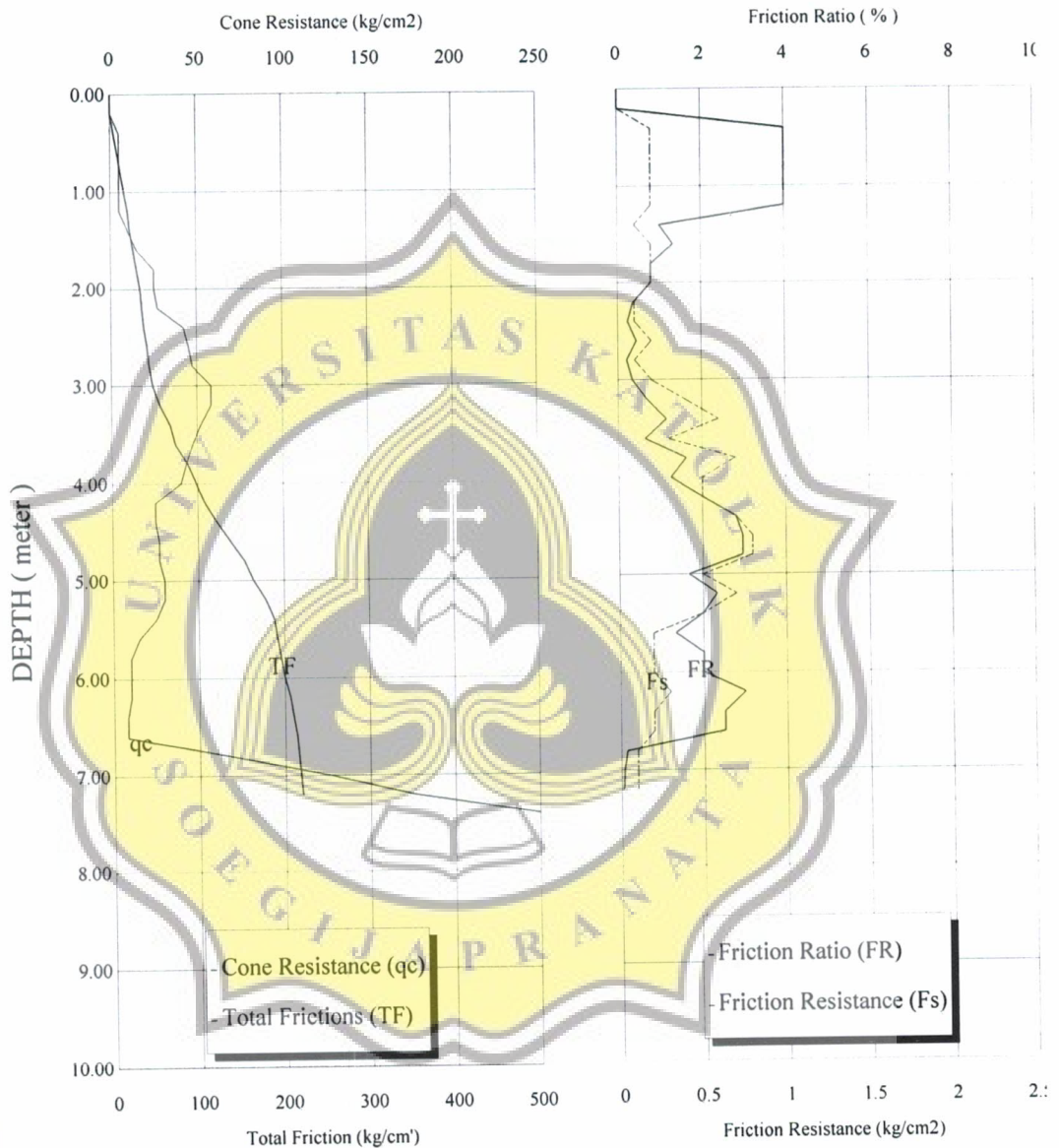
Proyek : Rencana Pembangunan Hotel
Lokasi : Jalan Pandanaran 2/8, Kel. Mugasari, Kec. Semarang Selatan
Kota Semarang, Jawa Tengah
Titik : S. 1

Tgl. / Bln: 10 Mei 2019
Team : Tatang P

DEPTH (M)	qc kg/cm ²	qc + f kg/cm ²	Fs kg/cm ²	TF kg/cm	FR (Fs/qc)%	DEPTH (M)	qc kg/cm ²	qc + f kg/cm ²	Fs kg/cm ²	TF kg/cm	FR (Fs/qc)%
0.00	0.00	0.00	0.00	0.00	0.00	5.20	30.00	37.00	0.70	178.00	2.33
0.20	0.00	0.00	0.00	0.00	0.00	5.40	25.00	30.00	0.50	188.00	2.00
0.40	5.00	7.00	0.20	4.00	4.00	5.60	15.00	17.00	0.20	192.00	1.33
0.60	5.00	7.00	0.20	8.00	4.00	5.80	10.00	12.00	0.20	196.00	2.00
0.80	5.00	7.00	0.20	12.00	4.00	6.00	10.00	12.00	0.20	200.00	2.00
1.00	5.00	7.00	0.20	16.00	4.00	6.20	10.00	13.00	0.30	206.00	3.00
1.20	5.00	7.00	0.20	20.00	4.00	6.40	8.00	10.00	0.20	210.00	2.50
1.40	10.00	11.00	0.10	22.00	1.00	6.60	8.00	10.00	0.20	214.00	2.50
1.60	15.00	17.00	0.20	26.00	1.33	6.80	70.00	71.00	0.10	216.00	0.14
1.80	25.00	27.00	0.20	30.00	0.80	7.00	127.00	128.00	0.10	218.00	0.08
2.00	25.00	27.00	0.20	34.00	0.80	7.20	175.00	176.00	0.10	220.00	0.06
2.20	27.00	28.00	0.10	36.00	0.37	7.40	250.00				
2.40	42.00	43.00	0.10	38.00	0.24	7.60					
2.60	45.00	47.00	0.20	42.00	0.44	7.80					
2.80	47.00	48.00	0.10	44.00	0.21	8.00					
3.00	58.00	60.00	0.20	48.00	0.34	8.20					
3.20	58.00	62.00	0.40	56.00	0.69	8.40					
3.40	52.00	58.00	0.60	68.00	1.15	8.60					
3.60	47.00	50.00	0.30	74.00	0.64	8.80					
3.80	43.00	50.00	0.70	88.00	1.63	9.00					
4.00	40.00	45.00	0.50	98.00	1.25	9.20					
4.20	25.00	30.00	0.50	108.00	2.00	9.40					
4.40	25.00	32.00	0.70	122.00	2.80	9.60					
4.60	27.00	35.00	0.80	138.00	2.96	9.80					
4.80	27.00	35.00	0.80	154.00	2.96	10.00					
5.00	30.00	35.00	0.50	164.00	1.67	10.20					



GRAFIK SONDIR MANUAL



Poyek : Rencana Pembangunan Hotel
Lokasi : Jalan Pandanaran 2/8, Kel. Mugasari, Kec. Semarang Selatan
Kota Semarang, Jawa Tengah
Titik : S. 1
Team : Tatang P

Tenaga Ahli

Mengetahui
Koodinator Laboratorium

Andi Retno Ari Setiaji, ST., MT.

DR. Yulita Arni Priastiwi, ST., MT



HASIL SONDIR MANUAL

Proyek : Rencana Pembangunan Hotel

Tgl. / Bln: 10 Mei 2019

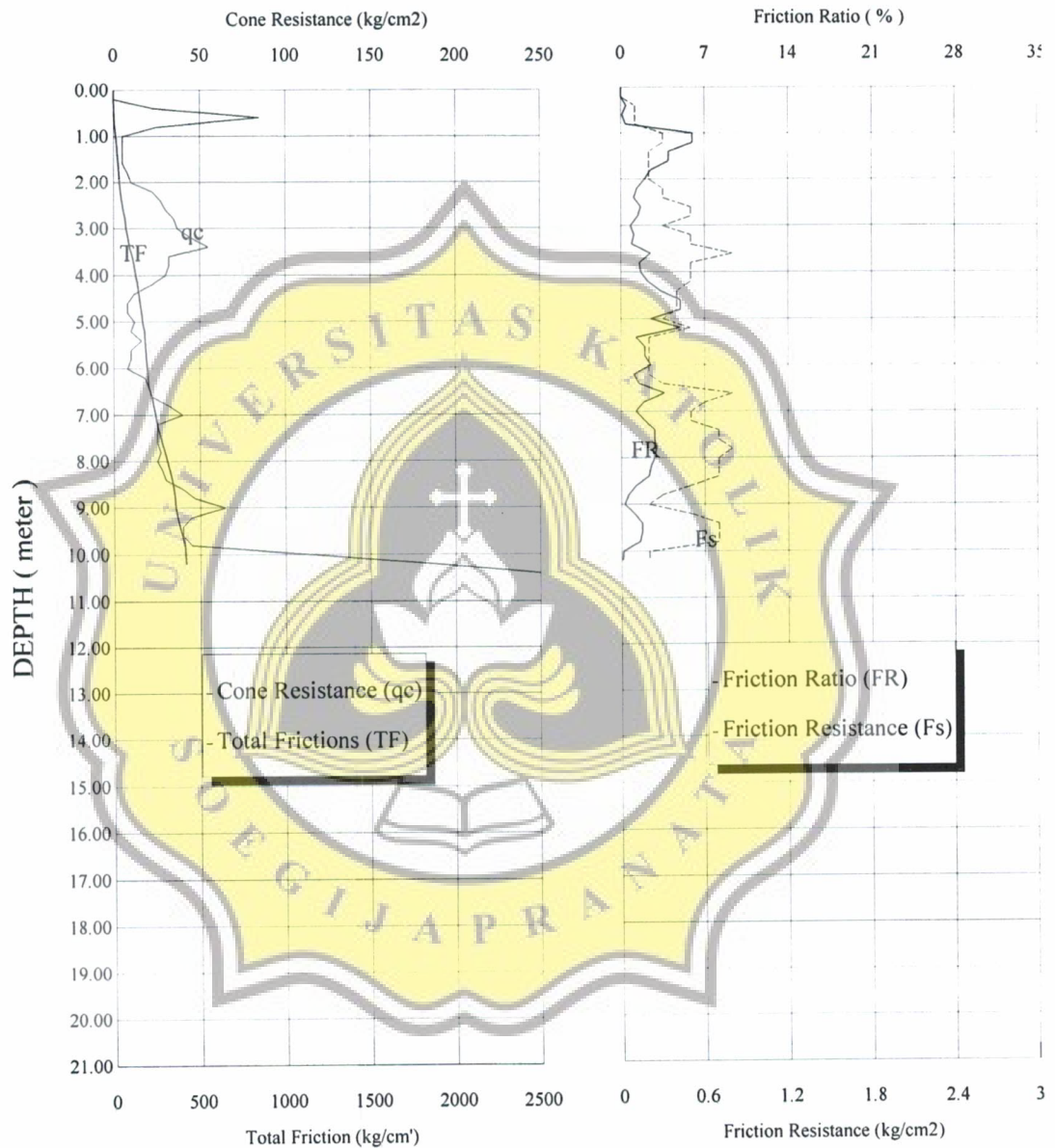
Lokasi : Jln Pandanaran 2/8, Kel. Mugasari, Kec. Semarang Selatan, Kota Semarang Team : Tatang P

Titik : S. 2

DEPTH (M)	qc kg/cm 2	qc + f kg/cm 2	Fs kg/cm 2	TF kg/cm	FR (Fs/qc) %	DEPTH (M)	qc kg/cm 2	qc + f kg/cm 2	Fs kg/cm 2	TF kg/cm	FR (Fs/qc) %
0.00	0.00	0.00	0.00	0.00	0.00	10.20	188.00	190.00	0.20	418.00	0.11
0.20	0.00	0.00	0.00	0.00	0.00	10.40	250.00				
0.40	23.00	24.00	0.10	2.00	0.43	10.60					
0.60	85.00	86.00	0.10	4.00	0.12	10.80					
0.80	25.00	26.00	0.10	6.00	0.40	11.00					
1.00	5.00	8.00	0.30	12.00	6.00	11.20					
1.20	5.00	8.00	0.30	18.00	6.00	11.40					
1.40	5.00	7.00	0.20	22.00	4.00	11.60					
1.60	5.00	7.00	0.20	26.00	4.00	11.80					
1.80	8.00	10.00	0.20	30.00	2.50	12.00					
2.00	10.00	12.00	0.20	34.00	2.00	12.20					
2.20	22.00	25.00	0.30	40.00	1.36	12.40					
2.40	27.00	30.00	0.30	46.00	1.11	12.60					
2.60	30.00	35.00	0.50	56.00	1.67	12.80					
2.80	35.00	40.00	0.50	66.00	1.43	13.00					
3.00	37.00	40.00	0.30	72.00	0.81	13.20					
3.20	45.00	50.00	0.50	82.00	1.11	13.40					
3.40	55.00	60.00	0.50	92.00	0.91	13.60					
3.60	32.00	40.00	0.80	108.00	2.50	13.80					
3.80	32.00	37.00	0.50	118.00	1.56	14.00					
4.00	30.00	35.00	0.50	128.00	1.67	14.20					
4.20	22.00	27.00	0.50	138.00	2.27	14.40					
4.40	12.00	16.00	0.40	146.00	3.33	14.60					
4.60	8.00	12.00	0.40	154.00	5.00	14.80					
4.80	8.00	12.00	0.40	162.00	5.00	15.00					
5.00	12.00	15.00	0.30	168.00	2.50	15.20					
5.20	10.00	15.00	0.50	178.00	5.00	15.40					
5.40	16.00	18.00	0.20	182.00	1.25	15.60					
5.60	10.00	12.00	0.20	186.00	2.00	15.80					
5.80	10.00	12.00	0.20	190.00	2.00	16.00					
6.00	8.00	10.00	0.20	194.00	2.50	16.20					
6.20	18.00	20.00	0.20	198.00	1.11	16.40					
6.40	20.00	23.00	0.30	204.00	1.50	16.60					
6.60	22.00	30.00	0.80	220.00	3.64	16.80					
6.80	32.00	38.00	0.60	232.00	1.88	17.00					
7.00	40.00	45.00	0.50	242.00	1.25	17.20					
7.20	25.00	30.00	0.50	252.00	2.00	17.40					
7.40	25.00	32.00	0.70	266.00	2.80	17.60					
7.60	25.00	32.00	0.70	280.00	2.80	17.80					
7.80	27.00	35.00	0.80	296.00	2.96	18.00					
8.00	25.00	32.00	0.70	310.00	2.80	18.20					
8.20	28.00	35.00	0.70	324.00	2.50	18.40					
8.40	30.00	37.00	0.70	338.00	2.33	18.60					
8.60	40.00	45.00	0.50	348.00	1.25	18.80					
8.80	47.00	50.00	0.30	354.00	0.64	19.00					
9.00	65.00	67.00	0.20	358.00	0.31	19.20					
9.20	45.00	50.00	0.50	368.00	1.11	19.40					
9.40	40.00	47.00	0.70	382.00	1.75	19.60					
9.60	40.00	47.00	0.70	396.00	1.75	19.80					
9.80	45.00	52.00	0.70	410.00	1.56	20.00					
10.00	115.00	117.00	0.20	414.00	0.17						



GRAFIK SONDIR MANUAL



Poyek : Rencana Pembangunan Hotel
Lokasi : Jln Pandanaran 2/8, Kel. Mugasari, Kec. Semarang Selatan, Kota Semarang
Titik : S. 2

Tenaga Ahli

Mengetahui
Koodinator Laboratorium

Andi Retno Ari Setiaji, ST., MT

DR. Yulita Arni Priastiwi, ST., MT



BORE LOG

Project : Rencana Pembangunan Hotel		Location : Jalan Pandanaran 2/8, Kel. Mugasari, Kec. Semarang Selatan, Kota Semarang, Jawa Tengah				Bore Hole No : BH. 1							
Date of drilling : 9 - 11 Mei 2019		Described by : Andi RAS, ST				Coordinate X :							
Bore Machine : Cocen		Checked by : Ir. Muhrizi, MS				Y :							
Pump : Sunchin		Date of photograph :				Elevation Z :							
Master bore : Suyono		Sample store at : Semarang				Inclination :							
Drilling methode : Rotary		Ground Water Depth : -5,00 meter				Azimuth :							
Diameter of hole : 73 mm													
Date	Depth (m)	Depth (m)	Thickness (m)	sample	Symbol	Layer Type	DESCRIPTION	Field Test SPT					
								Depth (m)	N'	10	30	50	
9 - 11 Mei 2019	0,00	1,00	1,00			LANAU kelepungan	campur material bangunan, lunak, warna coklat						
	2,00							2,00	9				
	2,45												
	4,00												
	4,45												
	6,00					PASIR	campur kulit kerang, lepas, warna abu-abu						
	6,45												
	8,00												
	8,45												
	10,00												
	10,45					LANAU kelepungan	campur pasir, keras, warna coklat						
	12,00												
	12,45												
	14,00					PASIR kelanauan	padat (keras), warna coklat abu-abu						
	14,45												
	16,00												
	16,45												
	18,00					PASIR kelanauan	padat (keras), warna abu-abu						
	18,45												
	20,00												
	20,45					PASIR kelanauan	padat (keras), warna coklat abu-abu						
	22,00												
	22,45					LANAU kepasiran (padas)	padat (keras), warna coklat abu-abu						
	24,00												
	24,45												
	26,00					PASIR kelanauan	campur padas, padat (keras), warna coklat abu-abu						
	26,45												
	28,00												
	28,45					PADAS (lanau kepasiran)	keras, warna coklat						
	30,00												
30,45							End Off Boring						

NOTE : N' = nilai N-Spt Terkoreksi



BORE LOG

Project : Rencana Pembangunan Hotel		Location : Jalan Pandanaran 2/8, Kel. Mugasari, Kec. Semarang Selatan, Kota Semarang, Jawa Tengah		Bore Hole No : BH. 2 Page 1							
Date of drilling : 13 - 15 Mei 2019		Described by : Andi RAS, ST		Coordinate X:							
Bore Machine : Cocen		Checked by : Ir. Muhrizi, MS		Y:							
Pump : Sunchin		Date of photograph :		Elevation Z:							
Master bore : Suyono		Sample store at : Semarang		Inclination							
Drilling methode : Rotary		Ground Water Depth : -5,00 meter		Azimuth							
Diameter of hole : 73 mm											
Date	Depth (m)	Depth (m)	Thickness (m)	sample	Symbol	Layer Tipe	DESCRIPTION	Field Test SPT			
								Depth (m)	N'	10	30
13 - 15 Mei 2019	0,00	1,00	1,00			LANAU kelepunguan	sedikit pasir, lunak, warna coklat				
	1,00	2,00	1,00			LANAU kepasiran	lunak, warna coklat	2,00	11		
	2,00	2,45						2,45			
	3,00	4,00						4,00			
	4,00	4,45						4,45			
	5,00	6,00	7,50	5,00			PASIR	campur kulit kerang, lepas, warna abu-abu	6,00	9	
	6,00	6,45						6,45			
	7,00	8,00						8,00			
	8,00	8,45						8,45			
	9,00	10,00	9,50	9,50			PASIR kelanauan	padat (keras), warna abu-abu kecoklatan	10,00	13	
	10,00	10,45						10,45			
	11,00	12,00						12,00			
	12,00	12,45	5,50					12,45			
	13,00	14,00						14,00			
	14,00	14,45						14,45			
	15,00	15,00	15,00	14,50			PASIR kelanauan	padat (keras), warna coklat	15,00	>60	
	16,00	16,00	1,00					16,00			
	17,00	16,45						16,45			
	18,00	18,00						18,00			
	19,00	18,45	5,00				PASIR kelanauan	padat (keras), warna coklat abu-abu	18,45	>60	
	20,00	20,00						20,00			
	21,00	20,45						20,45			
	22,00	22,00	1,00				LANAU kepasiran	keras, warna coklat	22,00	>60	
	23,00	22,45						22,45			
	24,00	24,00						24,00			
	25,00	24,45						24,45			
	26,00	26,00	8,00				PASIR kelanauan	padat (keras), warna coklat abu-abu	26,00	>60	
	27,00	26,45						26,45			
	28,00	28,00						28,00			
	29,00	28,45						28,45			
30,00	30,00						30,00				
	30,45						30,45				
						End Off Boring					

NOTE : N' = nilai N-Spt Terkoreksi

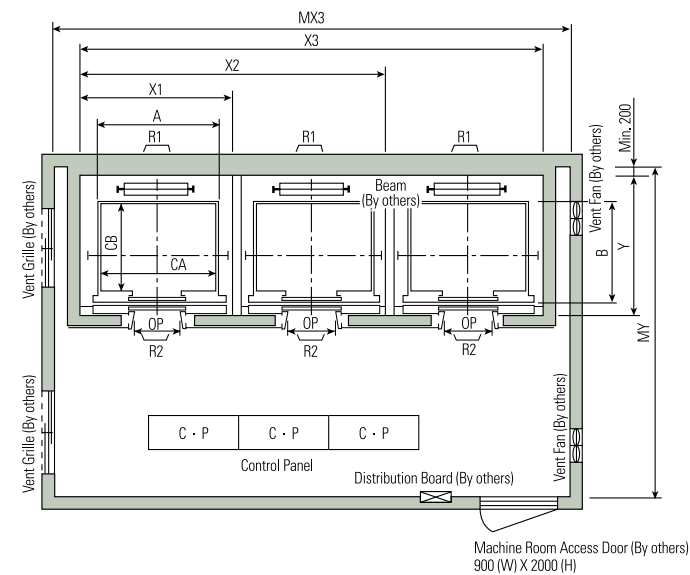


LAMPIRAN B

THE EL/ I-XEL GEARLESS ELEVATORS

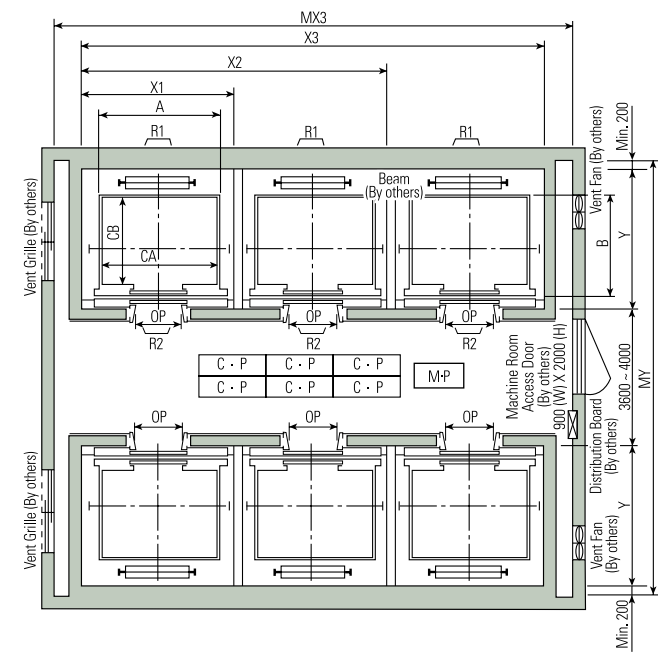
High-Speed/Ultra-High-Speed Elevators | 3~10m/sec

Plan of Hoistway & Machine Room (In-Line Arrangement of 3 Units)

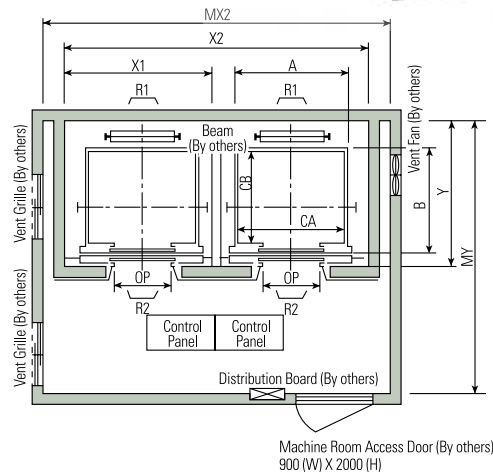
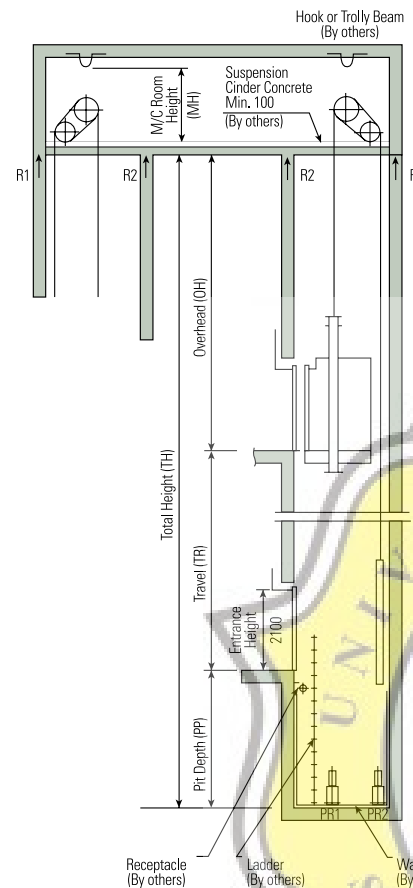


▲ Notes : Temperature should be maintained below 40°C and humidity below 90%, with installation of a ventilating fan, ventilating grille, and air conditioner (if necessary). Toxic gas or dust should not be generated.

Face-to-Face Arrangement



Section of Hoistway



Standard Dimensions & Reactions

(Unit : mm)

Capacity	Speed (m/sec)	Opening Type	Door Width (mm)	Car Insize (mm)	Hoistway Insize (mm)	Machine Room Size (mm)	M/C Room Reaction (kg)		Pit Reaction (kg)	
							OP	CA × CB	X × Y	MX1 × Y
13 (12)	900	1S-CO	900	1600 x 1350	2300 x 2150	2800 x 4400	12030	6650	13100	11300
			900	1300 x 1600	2200 x 2100	2700 x 4300				
15 (13)	1000	1S-CO	900	1600 x 1500	2300 x 2300	2800 x 4550	12800	6950	14600	12600
			900	1100 x 2100	2200 x 2600	2700 x 4800				
17 (15)	1150	1S-CO	1000	1800 x 1500	2500 x 2300	3000 x 4550	13080	7150	17200	14900
			1000	1200 x 2200	2300 x 2700	2800 x 4900				
20 (18)	1350	1S-CO	1000	1800 x 1700	2500 x 2500	3000 x 4750	14350	7650	18800	16100
			1100	1300 x 2300	2400 x 2800	2900 x 5000				
24 (21)	1600	1S-CO	1000	2000 x 1750	2700 x 2550	3200 x 4800	15100	8100	21000	17100
			1100	1400 x 2400	2500 x 2900	3000 x 5100				
15 (13)	1000	1S-CO	900	1600 x 1500	2300 x 2300	2800 x 4550	12800	7800	14600	12600
			900	1100 x 2100	2300 x 2600	2800 x 4800				
17 (15)	1150	1S-CO	1000	1800 x 1500	2500 x 2300	3000 x 4550	14100	8000	17200	14900
			1000	1200 x 2200	2400 x 2700	2900 x 4900				
20 (18)	1350	1S-CO	1000	1800 x 1700	2500 x 2500	3000 x 4750	15100	8050	18800	16100
			1100	1300 x 2300	2500 x 2800	3000 x 5000				
24 (21)	1600	1S-CO	1100	2000 x 1750	2700 x 2550	3200 x 4800	15700	8100	21000	17100
			1200	1400 x 2400	2600 x 2900	3100 x 5100				

(Unit : mm)

Capacity	Speed (m/sec)	Opening Type	Door Width (mm)	Car Insize (mm)	Hoistway Insize (mm)	Machine Room Size (mm)			M/C Room Reaction (kg)		Pit Reaction (kg)	
						OP	CA × CB	X1 X2 X3 × Y	MX1	MX2	MX3 × Y	R1
17 (15)	1150	1S-CO	1000	1800 x 1500	2600 5100 7800 x 2450	3000	6200	9100 x 5900	17500	13000		
			1100	1800 x 1700	2600 5100 7700 x 2650	3000	6200	9100 x 6000	17800	13200		
20 (18)	1350	1S-CO	1100	2000 x 1500	2800 5500 8300 x 2450	3200	6200	9100 x 5900				
			1100	2000 x 1750	2800 5500 8300 x 2700	3200	6500	9100 x 6300	18100	13500		
24 (21)	1600	1S-CO	1100	2150 x 1600	2950 5800 8750 x 2500	3400	6500	9400 x 6200				
			1100	1800 x 1500	2700 5400 7900 x 2500	3200	6400	8900 x 6000				
17 (15)	1150	1S-CO	1000	1800 x 1500	2700 5400 7900 x 2500	3200	6400	8900 x 6000				
			1100	2000 x 1500	2900 5900 8750 x 2500	3500	6700	9500 x 6300				
20 (18)	1350	1S-CO	1100	2000 x 1500	2900 5900 8750 x 2500	3500	6700	9500 x 6300				
			1100	2000 x 1750	2900 5900 8750 x 2750	4300	6700	9500 x 6300				

▲ Notes : 1. The table of dimensions as per Hyundai standard or EN81, For other country codes and spec requirements, Please contact us.
 2. If apply the safety gear on Counterweight side, please contact us
 3. If apply through(180 degree) type, please consult with us.
 4. Rail Bracket Pitch Applied with 2,000mm for 3.0m/s
 5. The Hoistway dimensions width & depth are based on clear dimension ±20mm horizontal tolerances over the total hoistway height
 6. (.) : Noted Rated Capacity and number of Person(Ps), as required by EN81

Overhead & Pit Depth

(Unit : mm)

Speed (m/sec)	Overhead (OH)	Pit (PP)	M/C Room Height (MH)
3.0	6000	2700	2500
3.5	6400	3200	2800
4.0	7100	3850	2800
5.0	8000	4200	3000
6.0	8300	4300	3000

Speed (m/sec)	Overhead (OH)	Pit (PP)	M/C Room Height (MH)
7.0	8500	6000	3200
8.0	9500	6400	3500
9.0	9750	8800	3500
10.0	10000	9000	3500

▲ Notes : 1. The above table shows minimum figures. Therefore, some allowances should be made considering errors that may occur during construction.
 2. In case car height is over 2800mm, overhead should be applied above dimension plus additional height.



PRODUCTS

Spesifikasi Bata Ringan BRIKA

Panjang (L)	:	600 mm
Tinggi (H)	:	200 mm
Tebal (T)	:	75 mm dan 100 mm
Berat kering	:	± 750 Kg/m ³
Daya tekan	:	± 45 Kg/cm ²

KETEBALAN	mm	75	100
Isi per m ³	pcs	111	83
Luas per m ²	M ²	13,3	9,9

Berat per buah	Kg	6,75	9
Berat per m2	Kg	70-80	90-110
Isolasi suara	dB	36	38
Harga satuan	Rp	Rp.7000,-	Rp.9000,-

KEUNGGULAN BATA RINGAN BRIKA

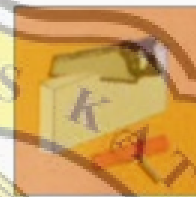
Bata Ringan BRIKA memiliki beberapa kelebihan/keunggulan dibandingkan dengan material bangunan lainnya, sebagai berikut :



KUAT DAN TAHAN LAMA

Diproses dari bahan baku dasar semen untuk kekuatan yang tepat dan karenanya kekuatan meningkat setiap tahun pada penuaan beton tersebut.

BRIKA mampu menahan beban sebesar 45Kg per centimeter persegi



MUDAH DIKERJAKAN

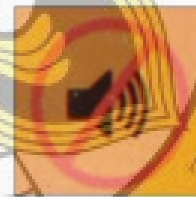
Mempunyai ukuran yang presisi, mudah digergaji, dibor dengan peralatan kayu biasa dan raingan. Sehingga memudahkan pemasangan lebih cepat, rapi dan hemat dibandingkan dengan bata merah



TAHAN API

Daya tahan api untuk transmisi panas selama 4 jam tanpa melepaskan asap beracun. Dengan komposisi bahan pilihan yang teruji menjadikan BRIKA

tahan api dan cuaca ekstrim (badai, panas, angin kencang).



KEDAP SUARA

BRIKA mampu meredam suara sampai 36-42 dB sehingga dapat memberikan kenyamanan bagi penghuninya dan memberikan perlindungan terhadap

suara bising dari luar



TAHAN AIR

Dengan teknologi CLC (Cellular Lightweight Concrete) dan bahan baku berkualitas menjadikan BRIKA mampu menahan rembesan air sehingga

bangunan menjadi lebih tahan lama dan awet



HARGA EKONOMIS

BRIKA tidak memerlukan perekat atau semen khusus, sehingga dapat menghemat biaya bangunan dan mempercepat proses membangun karena

tidak memerlukan keahlian khusus

HEMAT ENERGY

BEBAS JAMUR

Untuk penggunaan bangunan rumah,



Penggunaan BRIKA pada bangunan gedung atau ruangan akan menghemat pemakaian AC, dikarenakan kemampuannya sebagai isolator panas. Sehingga dapat mempertahankan kesejukan di dalam ruangan



apartemen, rumah sakit, pegudangan, gedung dan lain-lain, dinding akan terhindar dari lumut dan jamur.

Sehingga dinding tampak lebih bersih dan tahan lama



Perbandingan Bata Ringan Brika dengan Bata Merah

Berikut beberapa perbandingan bata ringan dengan batamerah biasa :

- * 1 bata ringan sama dengan 12 bata merah
- * Pengerjaan jauh lebih cepat
- * Hemat pasir dan semen
- * Lebih hemat biaya pekerjaan
- * Lebih mudah digunakan

* Jauh lebih kokoh dan kuat.

Bata Ringan Brika : Jl. K. H. Adnan Kadir No. 100, Cemping, Kecamatan Cemping, Kabupaten Tangerang, Banten 15908
Telp: 08116662737 WA: 08116662737

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DAFTAR HARGA BETON COR JAYAMIX SEMARANG JAWA TENGAH PER M3 2020

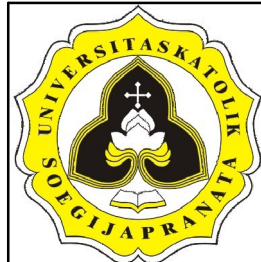
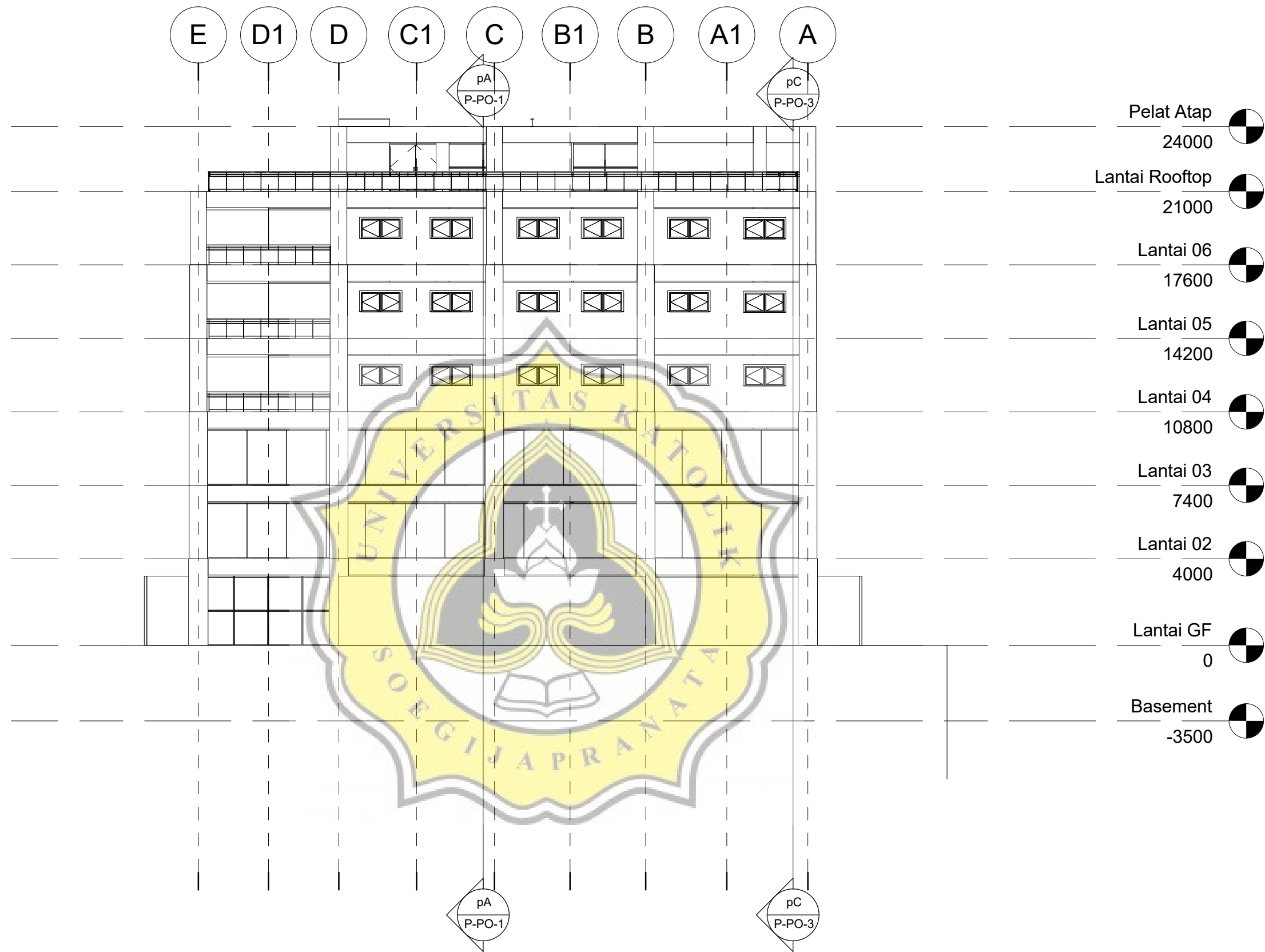
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2	Harga beton Jayamix K 175	12 ± 2 cm	RP.750.000 /m3
3	Harga beton Jayamix K 200	12 ± 2 cm	Rp.770.000 /m3
4	Harga beton Jayamix K 225	12 ± 2 cm	Rp.800.000 /m3
5	Harga beton Jayamix K 250	12 ± 2 cm	Rp.820.000 /m3
6	Harga beton Jayamix K 275	12 ± 2 cm	Rp.840.000 /m3
7	Harga beton Jayamix K 300	12 ± 2 cm	Rp.860.000 /m3
8	Harga beton Jayamix K 350	12 ± 2 cm	Rp.920.000 /m3
9	Harga beton Jayamix K 400	12 ± 2 cm	RP.940.000/m3
10	Harga beton Jayamix K 450	12 ± 2 cm	RP.960.000/m3
11	Harga beton Jayamix K 500	12 ± 2 cm	RP.1.100.000/m3
12	Harga beton Jayamix K 600	12 ± 2 cm	RP.1.200.000/m3

Keterangan harga :

- > Konfirmasi pemesanan 1-3 hari
- > sebelum pengecoran sebelum pengerjaan akan dilakukan surfey terlebih dahulu
- > harga sudah termasuk Ppn 10 %
- > Pembayaran minimal 1 - 2 hari sebelum pengecoran cash ? transfer ke rekening perusahaan.
- > harga tersebut berlaku untuk wilayah jabodetabek.
- > pihak pembeli bertanggung jawab terhadap tersedianya jalan yang layak, keamanan (masyarakat dan polisi) dan dapat dilalui truck mixer menuju proyek.



LAMPIRAN C



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Semarang

No.	Description	Date

Tugas Akhir
Hotel SS

TAMPAK DARI BARAT

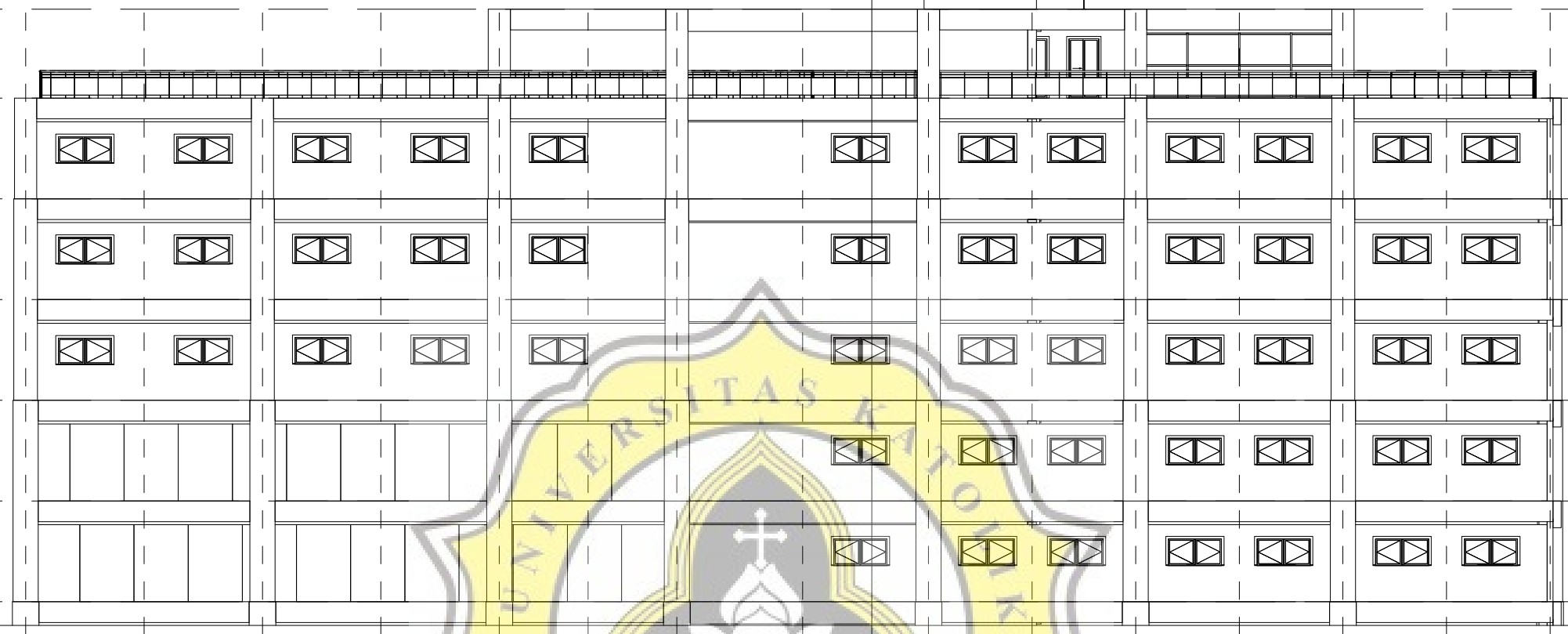
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Date 4 Agustus 2020
Drawn by Liauw Wiwik Harjanti & Michael Hendrawan
Checked by Ir. David Widiyanto, M.T, IPM

A1-TP-01

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pB
P-PO-2



- Pelat Atap 24000
- Lantai Rooftop 21000
- Lantai 06 17600
- Lantai 05 14200
- Lantai 04 10800
- Lantai 03 7400
- Lantai 02 4000
- Lantai GF 0
- Basement -3500

pB
P-PO-2



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Semarang

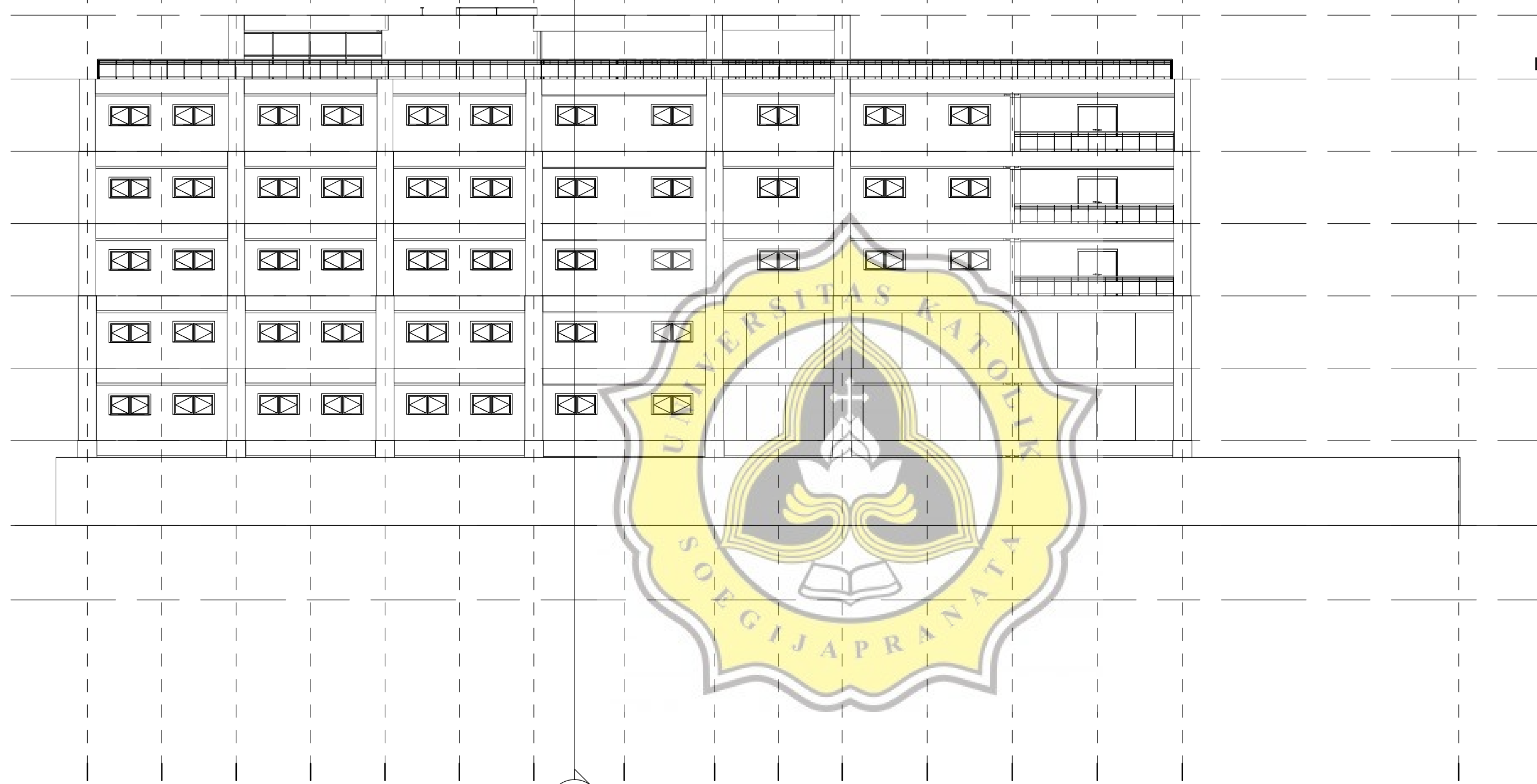
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Tugas Akhir

Hotel SS

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Project number	0002	
Date	4 Agustus 2020	
Drawn by	Liauwi Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto, M.T, IPM	
Scale	1 : 200	

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- Pelat Atap 24000
- Lantai Rooftop 21000
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- Lantai 05 14200
- Lantai 04 10800
- Lantai 03 7400
- Lantai 02 4000
- Lantai GF 0
- Basement -3500

pB
P-PO-2



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Semarang

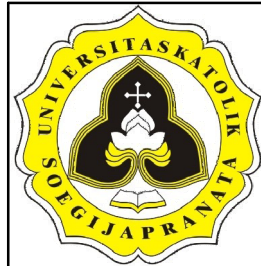
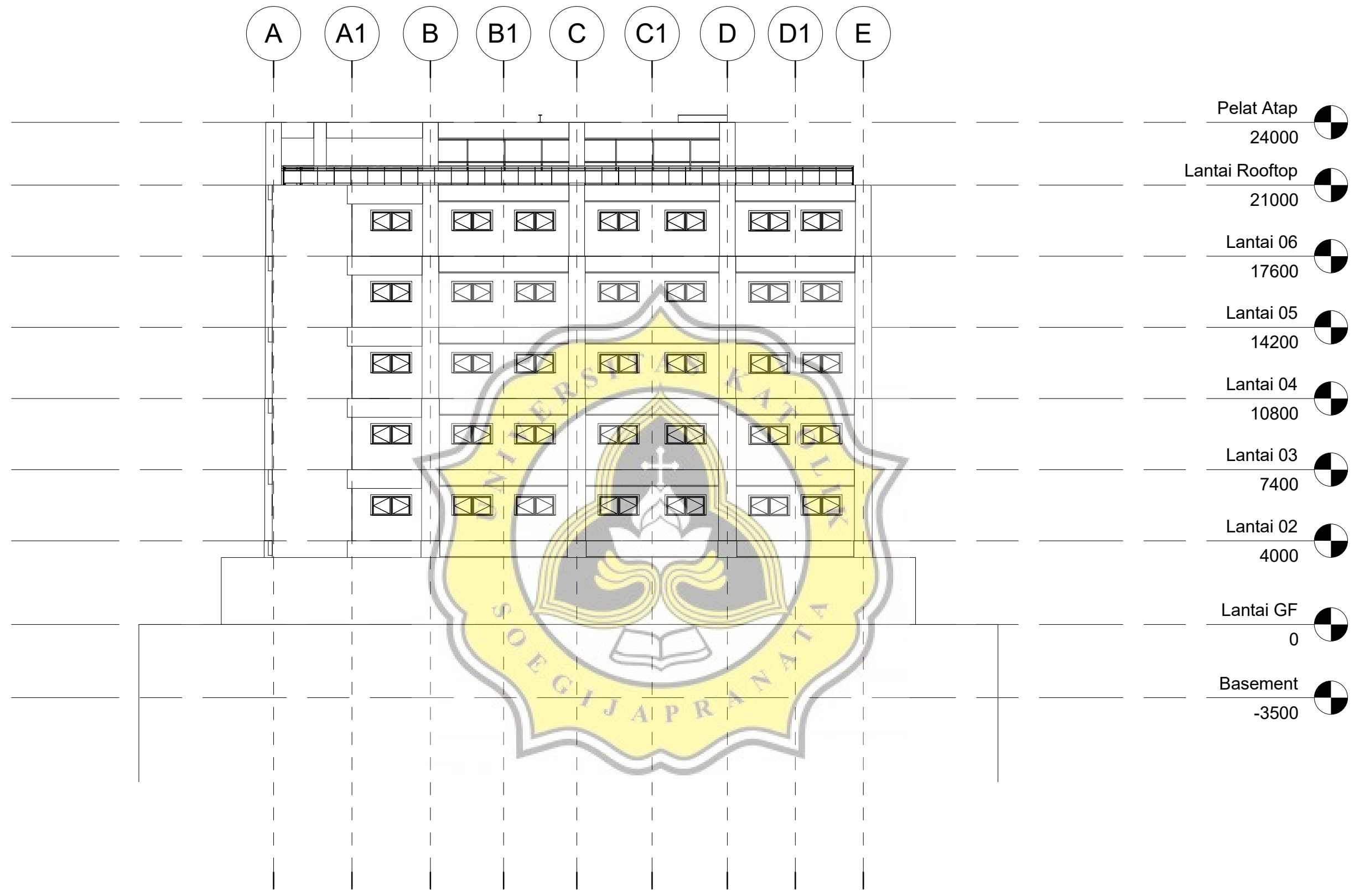
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Hotel SS

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Project number	0002
Date	4 Agustus 2020
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A1-TP-03
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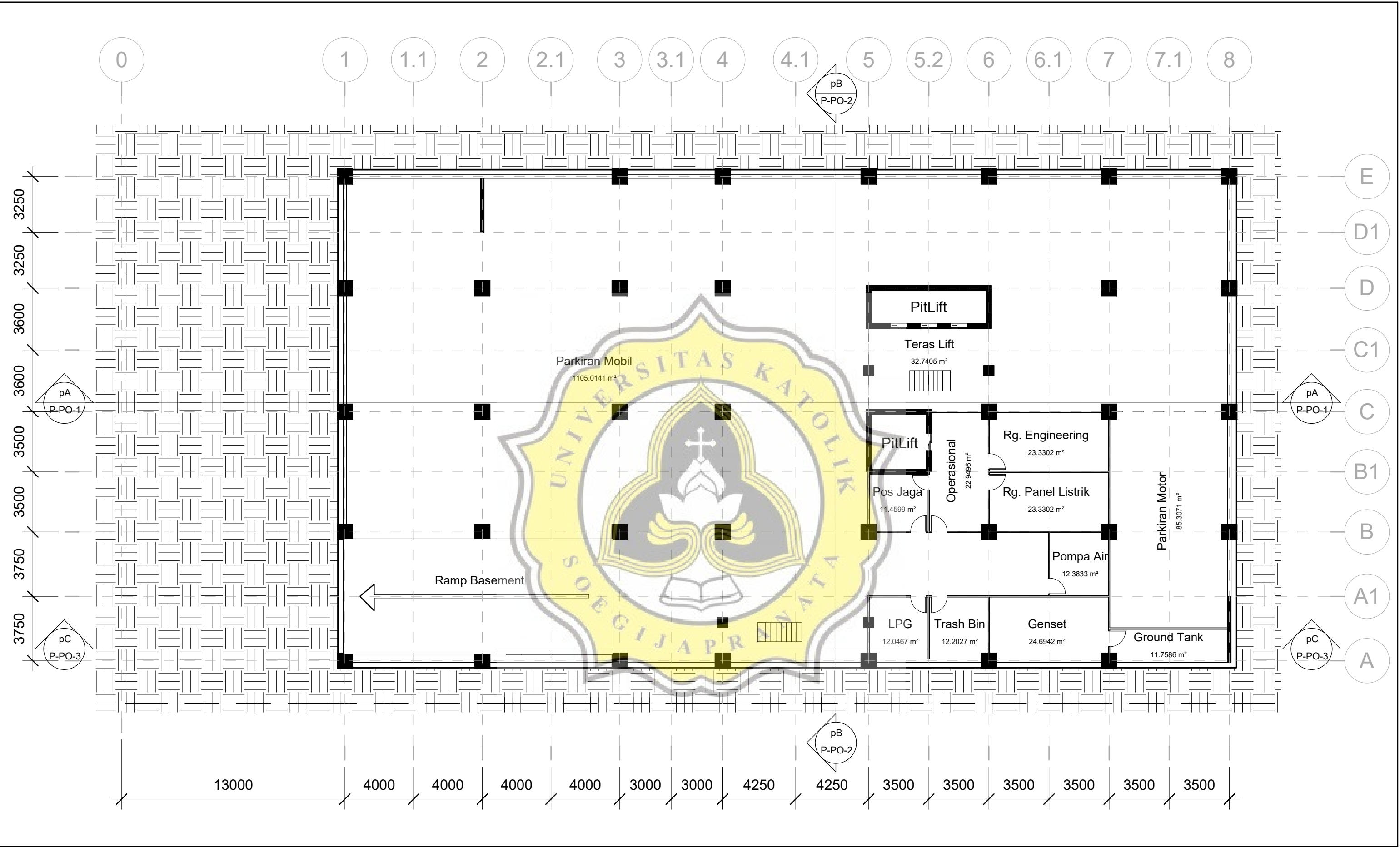
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Hotel SS

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A1-TP-04	Scale	1 : 200
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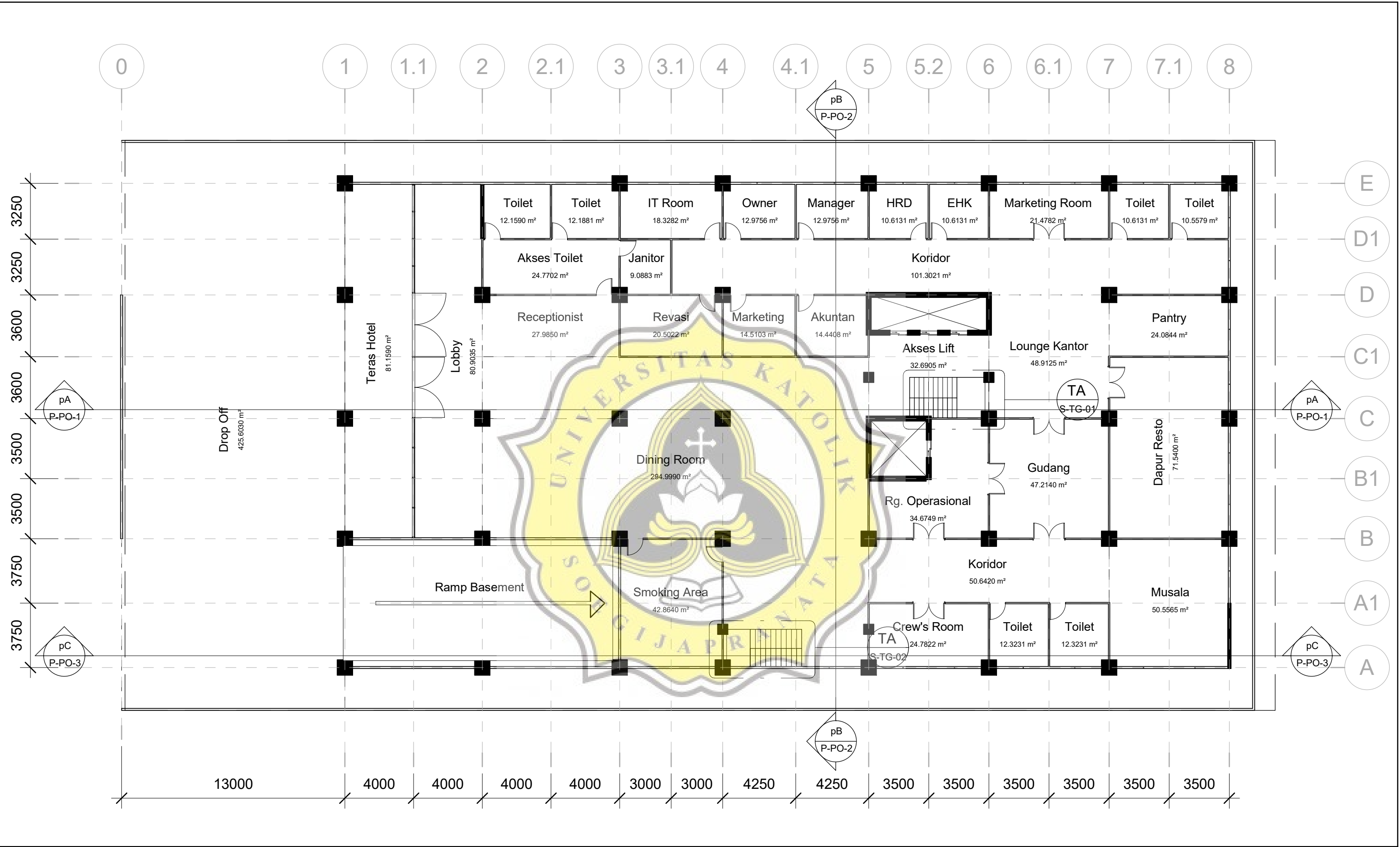
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No.	Description	Date

Tugas Akhir

Hotel SS

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Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto, M.T, IPM	
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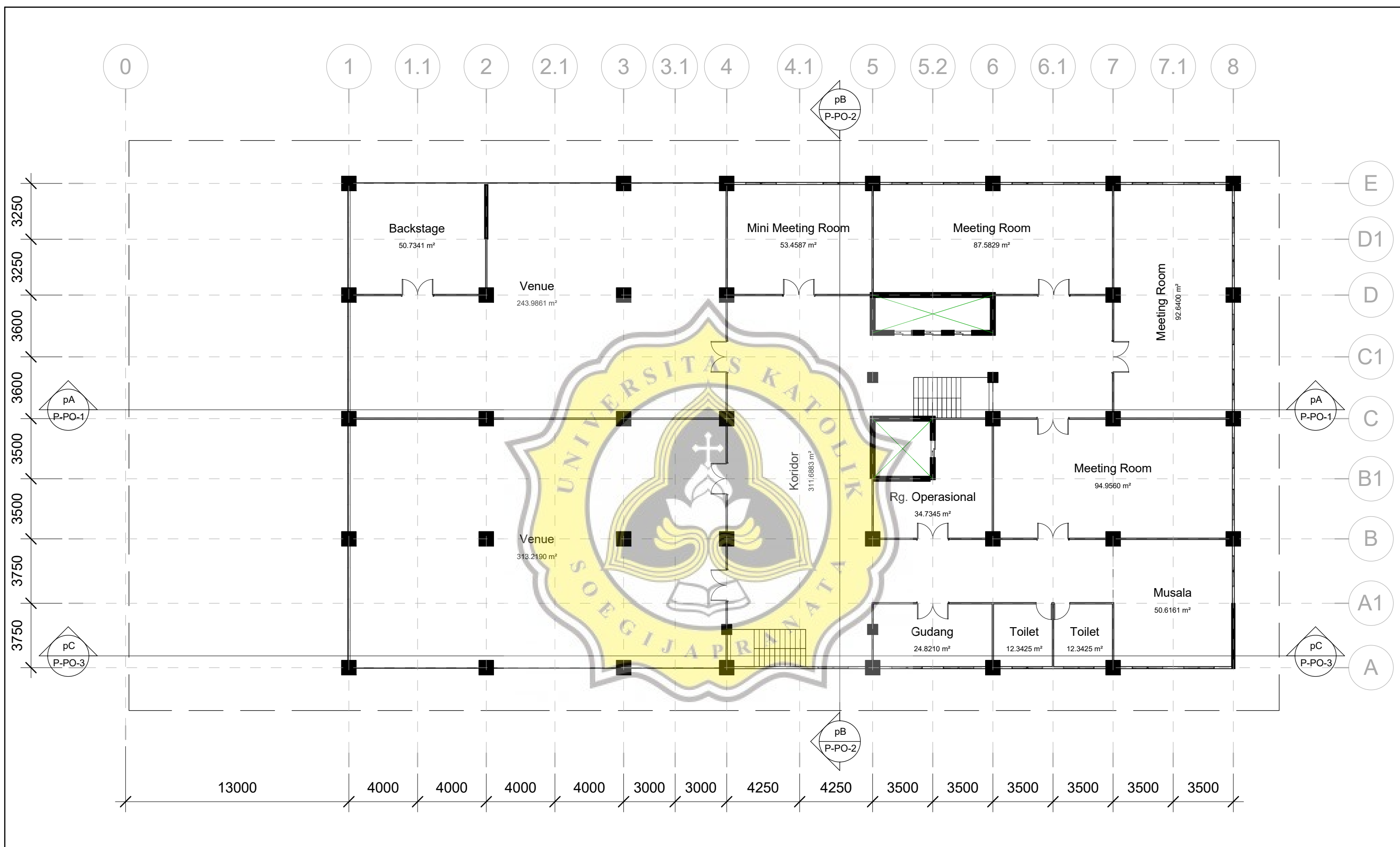
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No.	Description	Date

Tugas Akhir

Hotel SS

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Project number	0002	A-DN-02
Date	4 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	Scale
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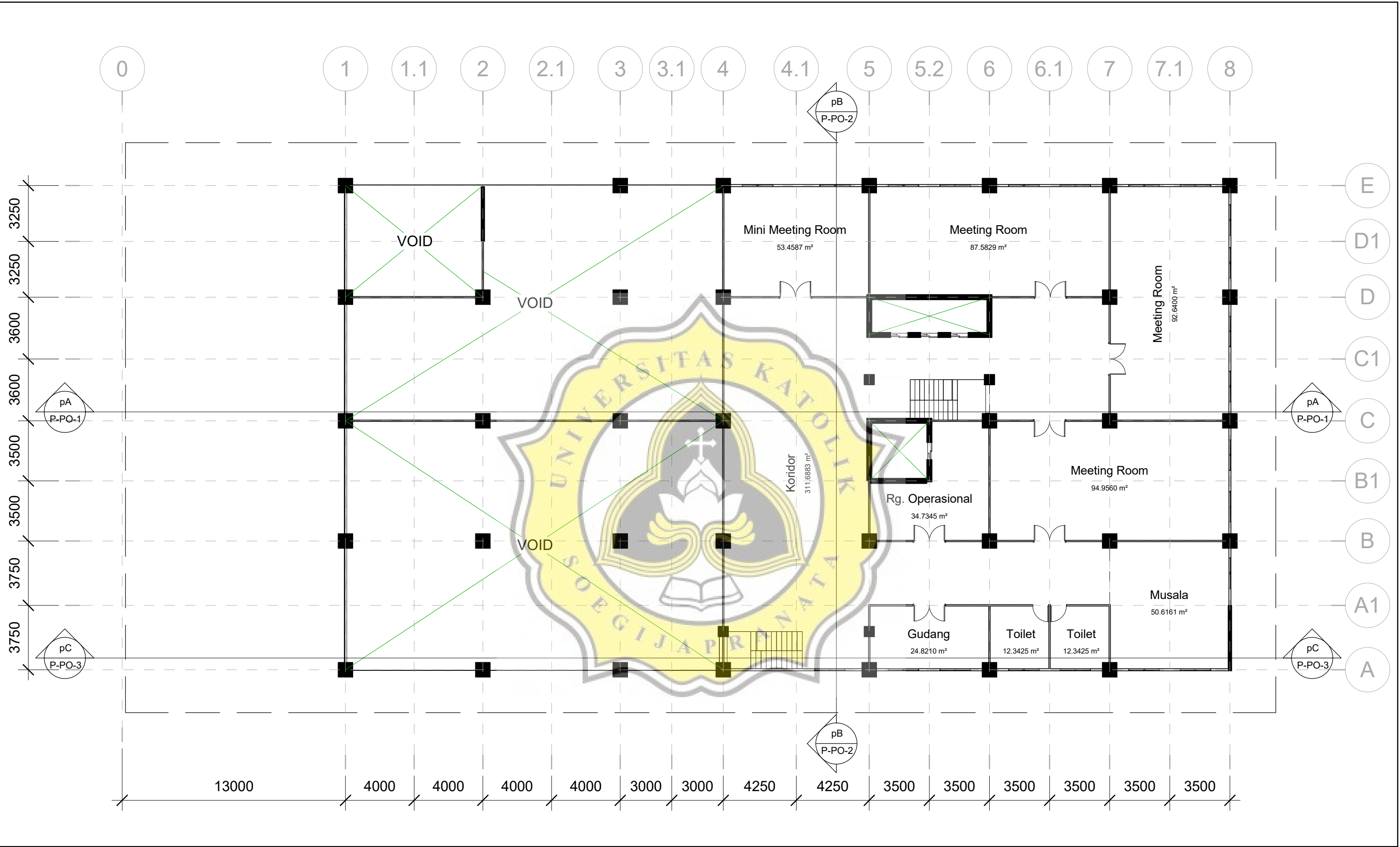
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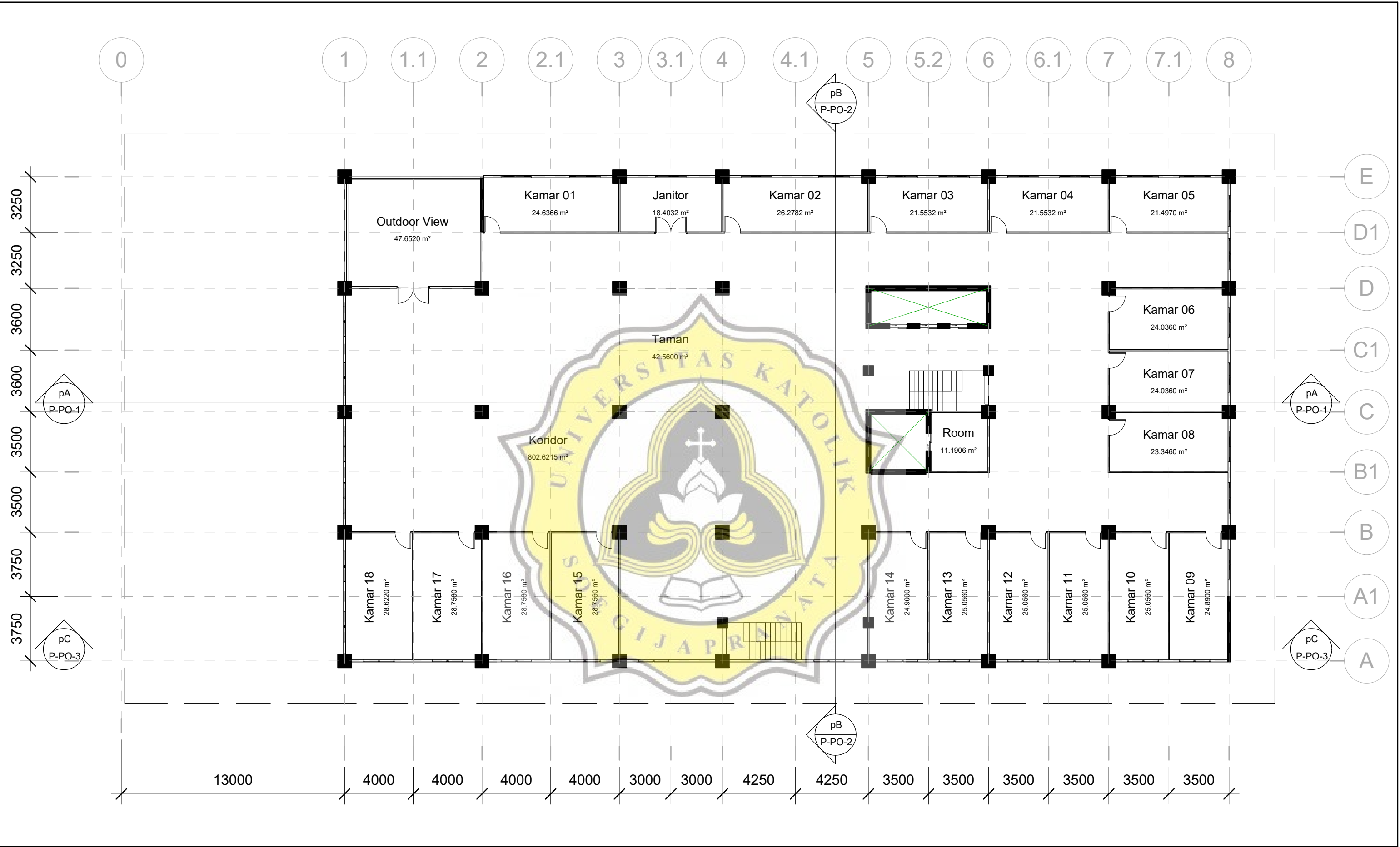
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Tugas Akhir

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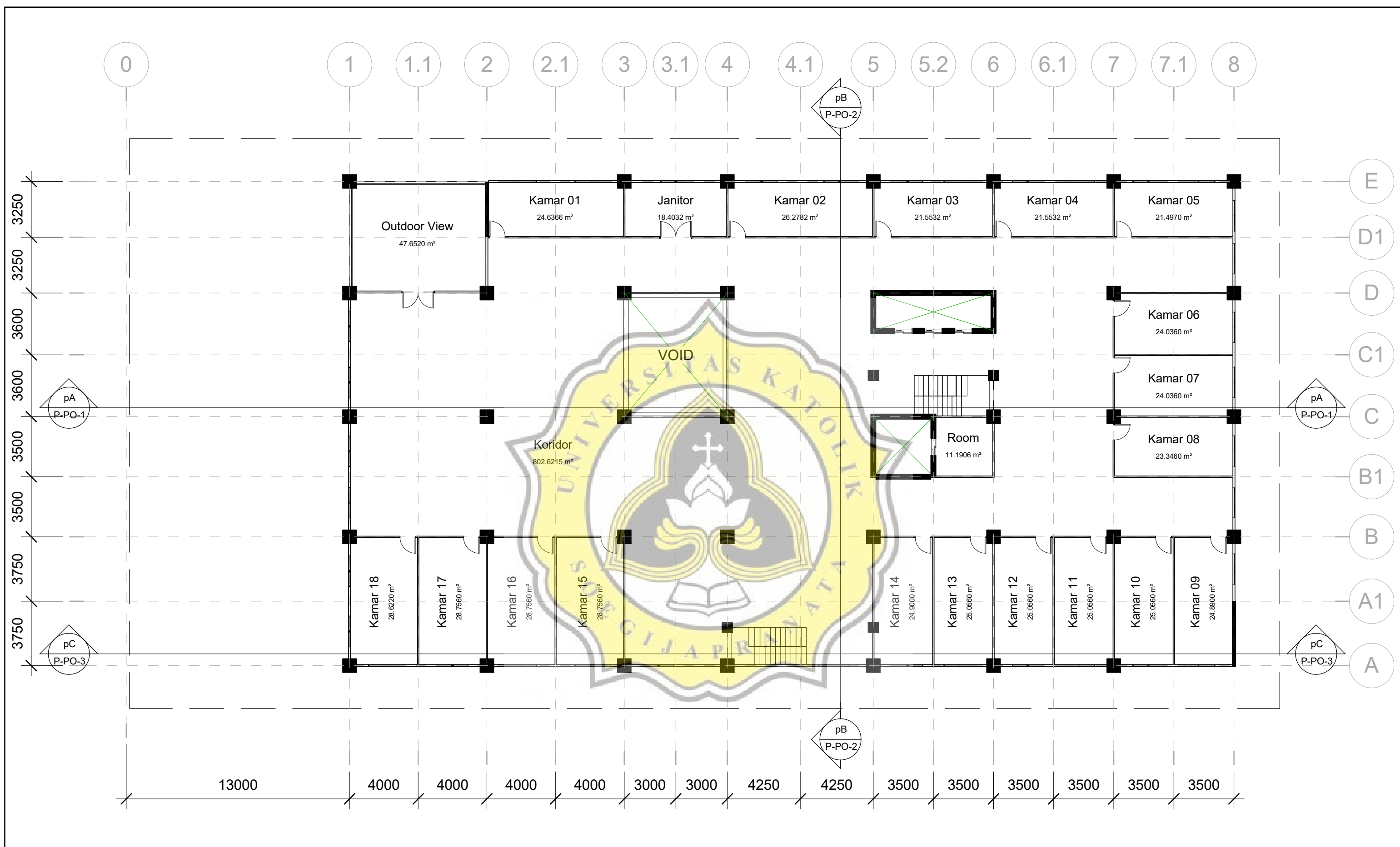
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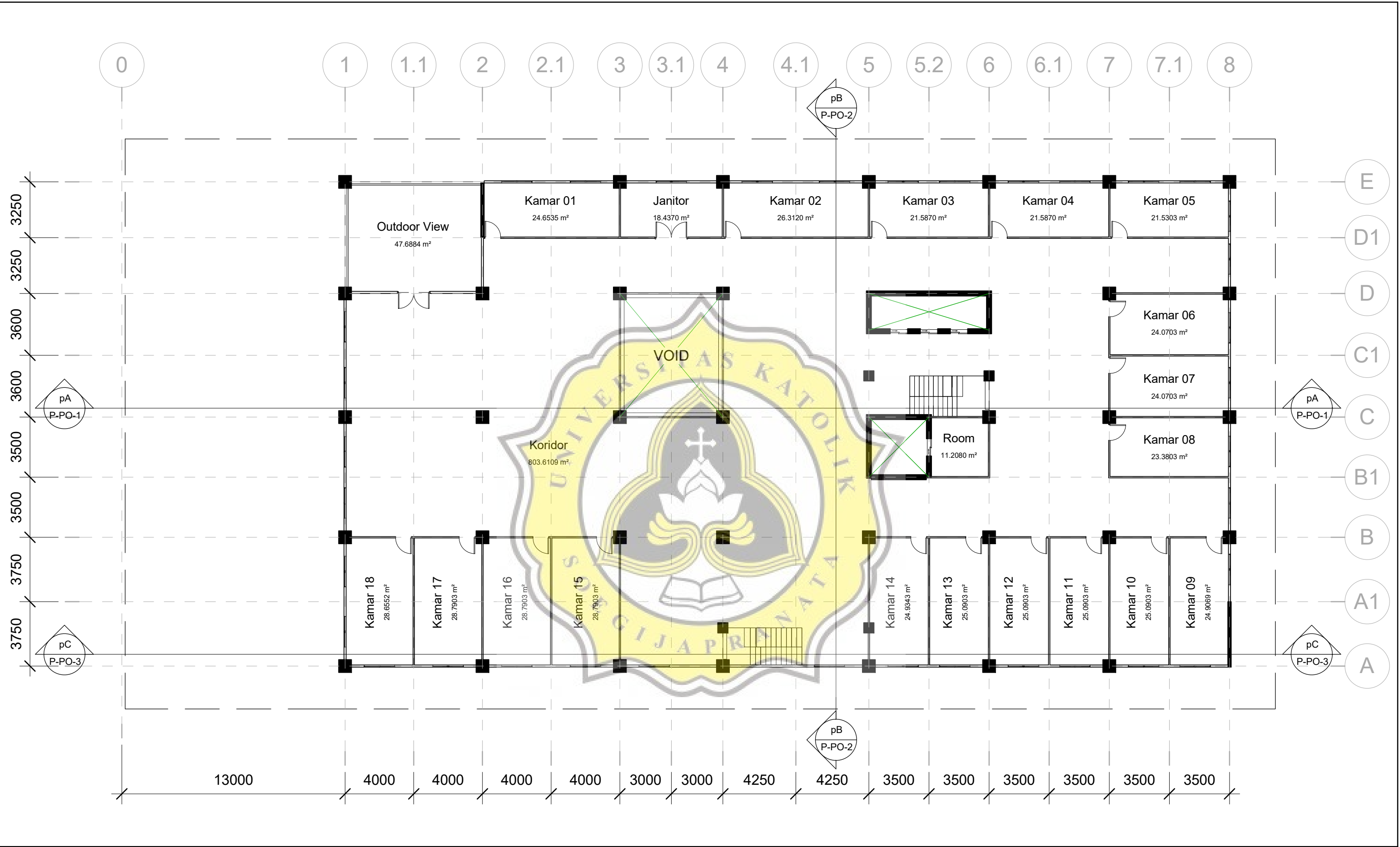


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No.	Description	Date

Tugas Akhir
Hotel SS

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Project number	0002	
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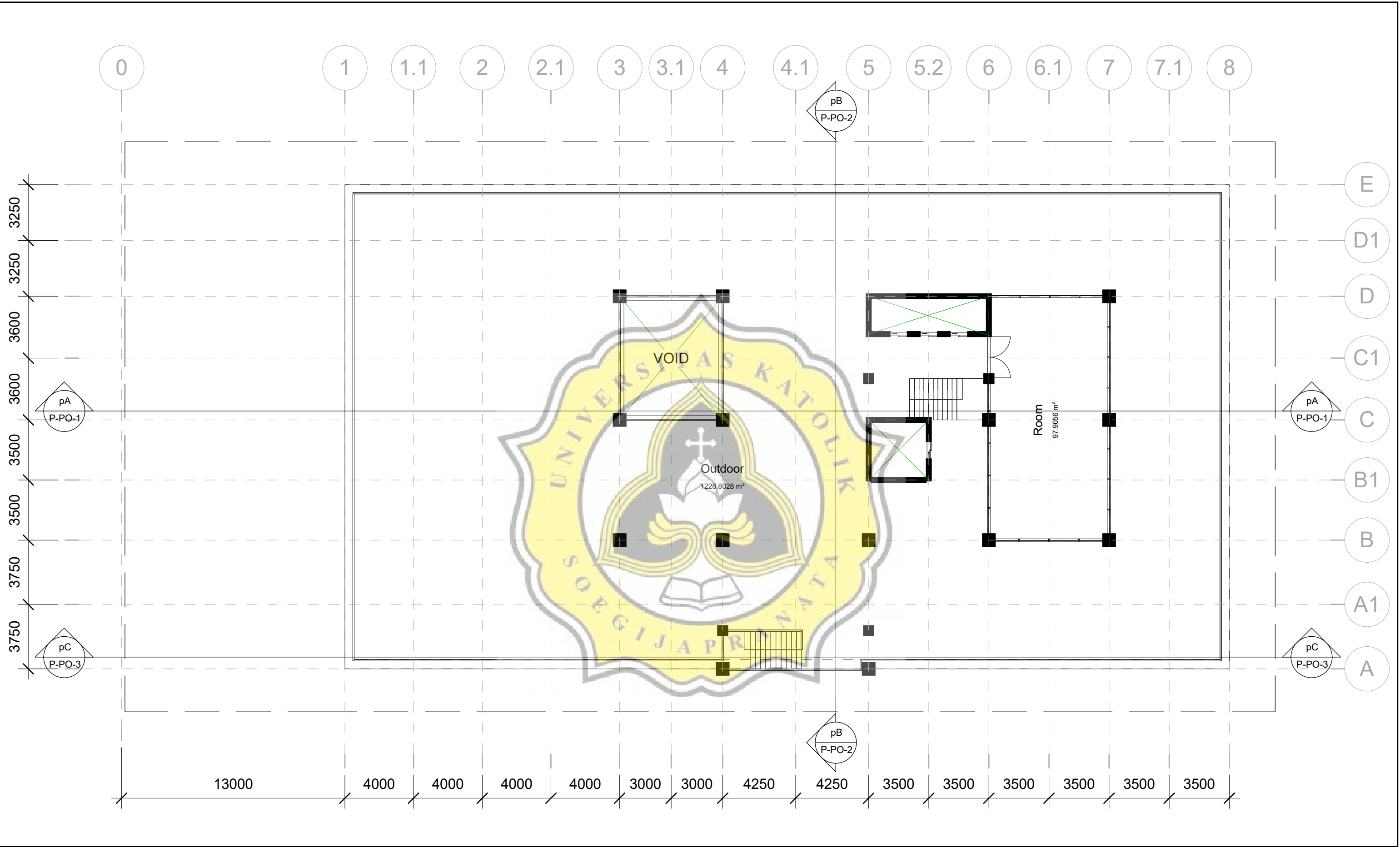
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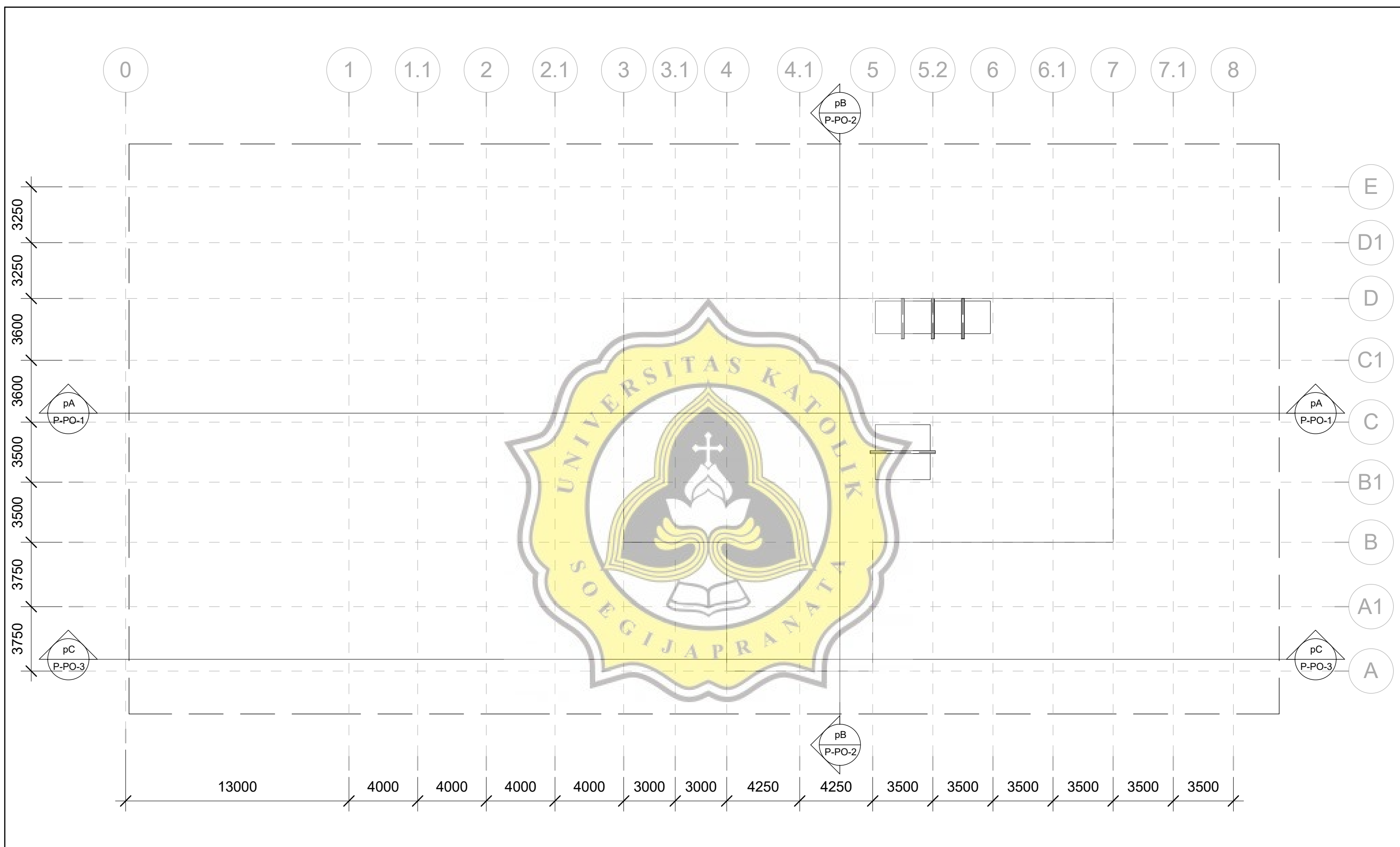
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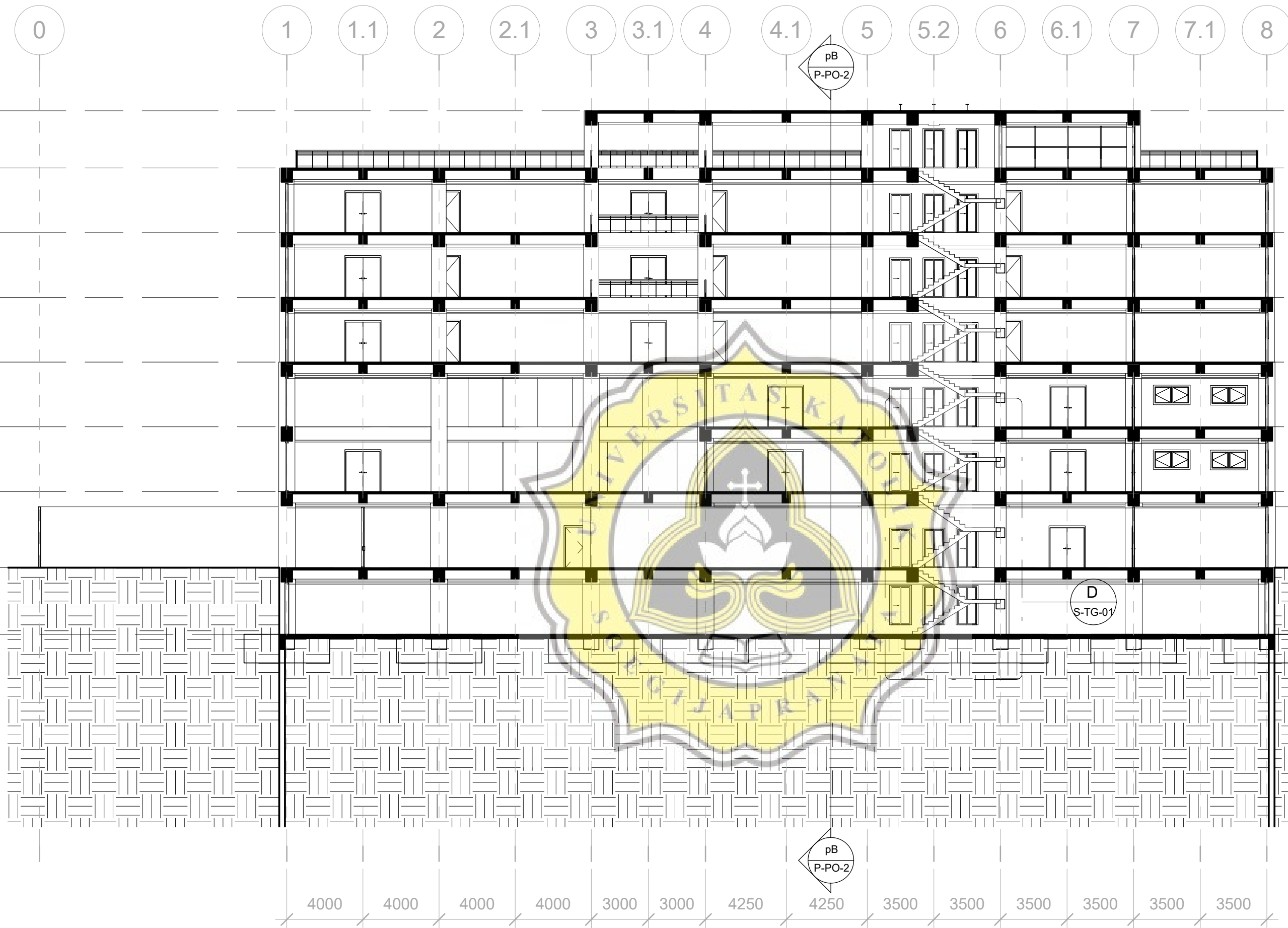
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Tugas Akhir

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- Pelat Atap 24000
- Lantai Rooftop 21000
- Lantai 06 17600
- Lantai 05 14200
- Lantai 04 10800
- Lantai 03 7400
- Lantai 02 4000
- Lantai GF 0
- Basement -3500

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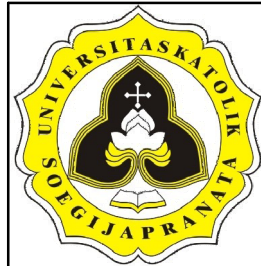
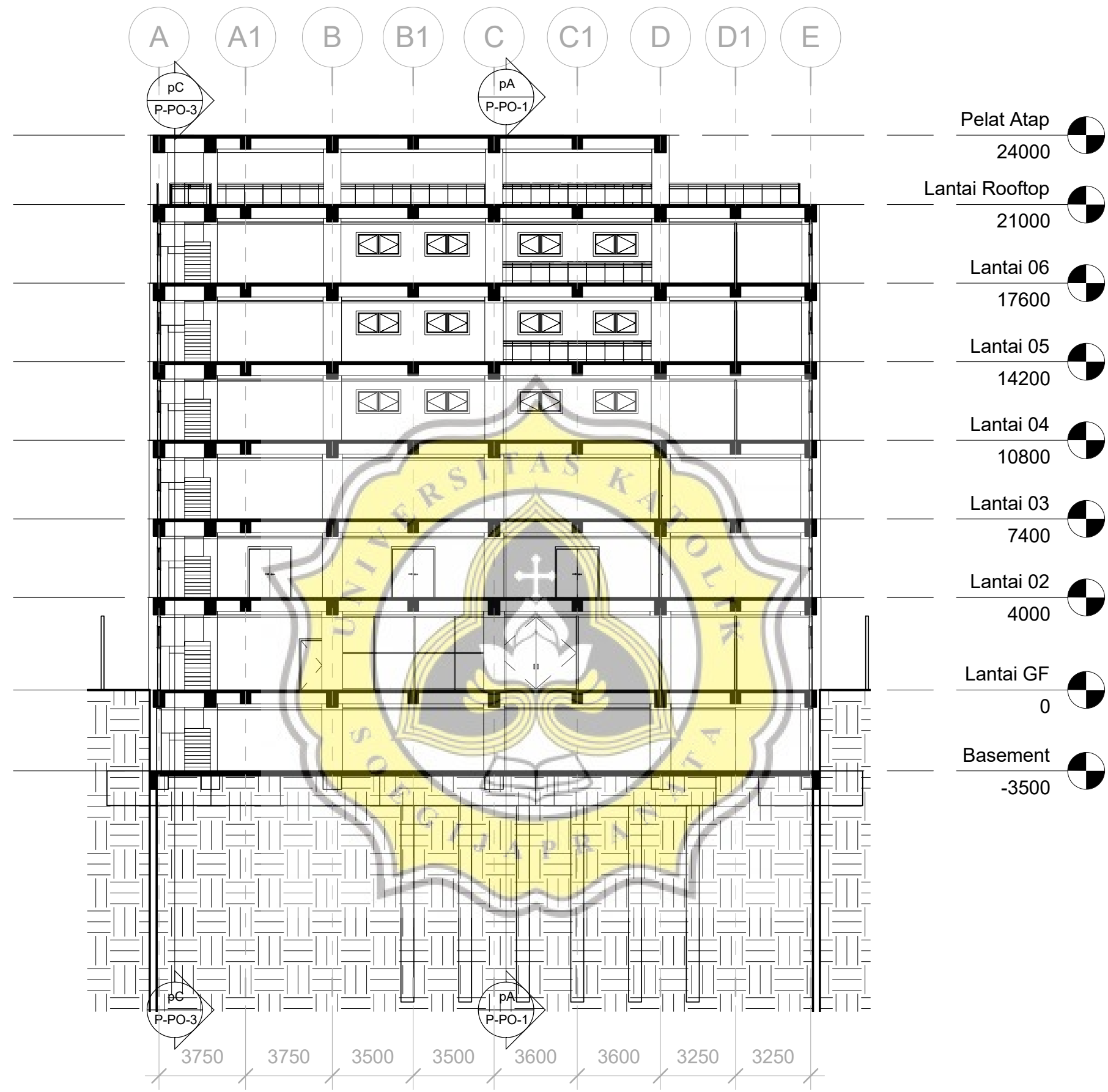
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POTONGAN A-A'

P-PO-1
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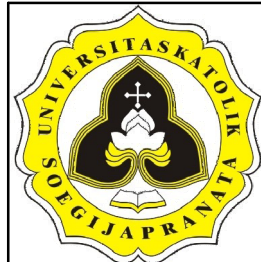
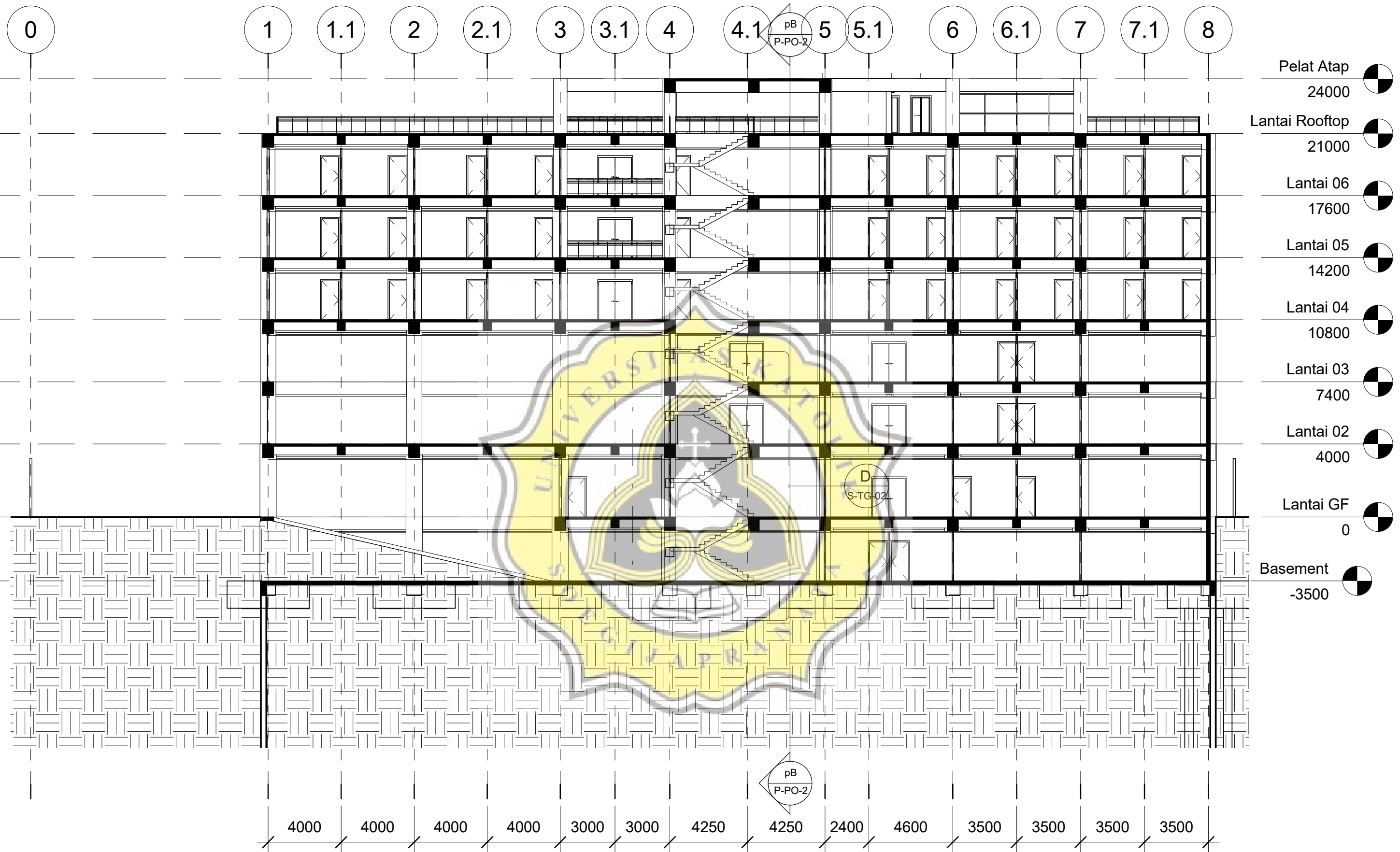
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P-PO-2

Scale 1 : 200



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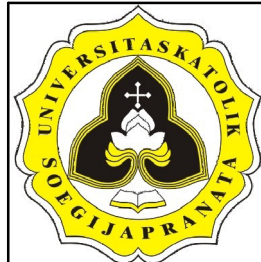
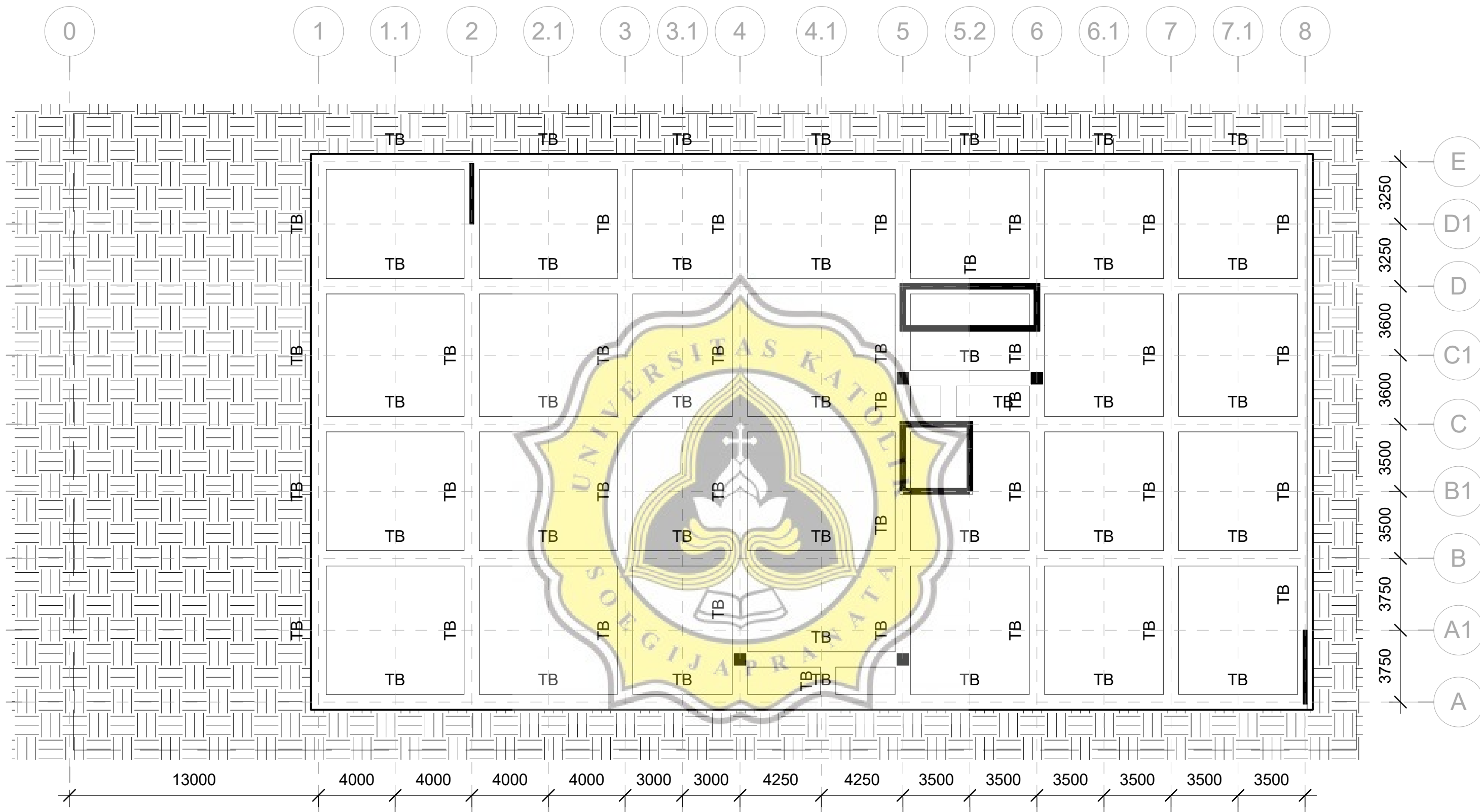
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P-PO-3

Scale 1 : 200



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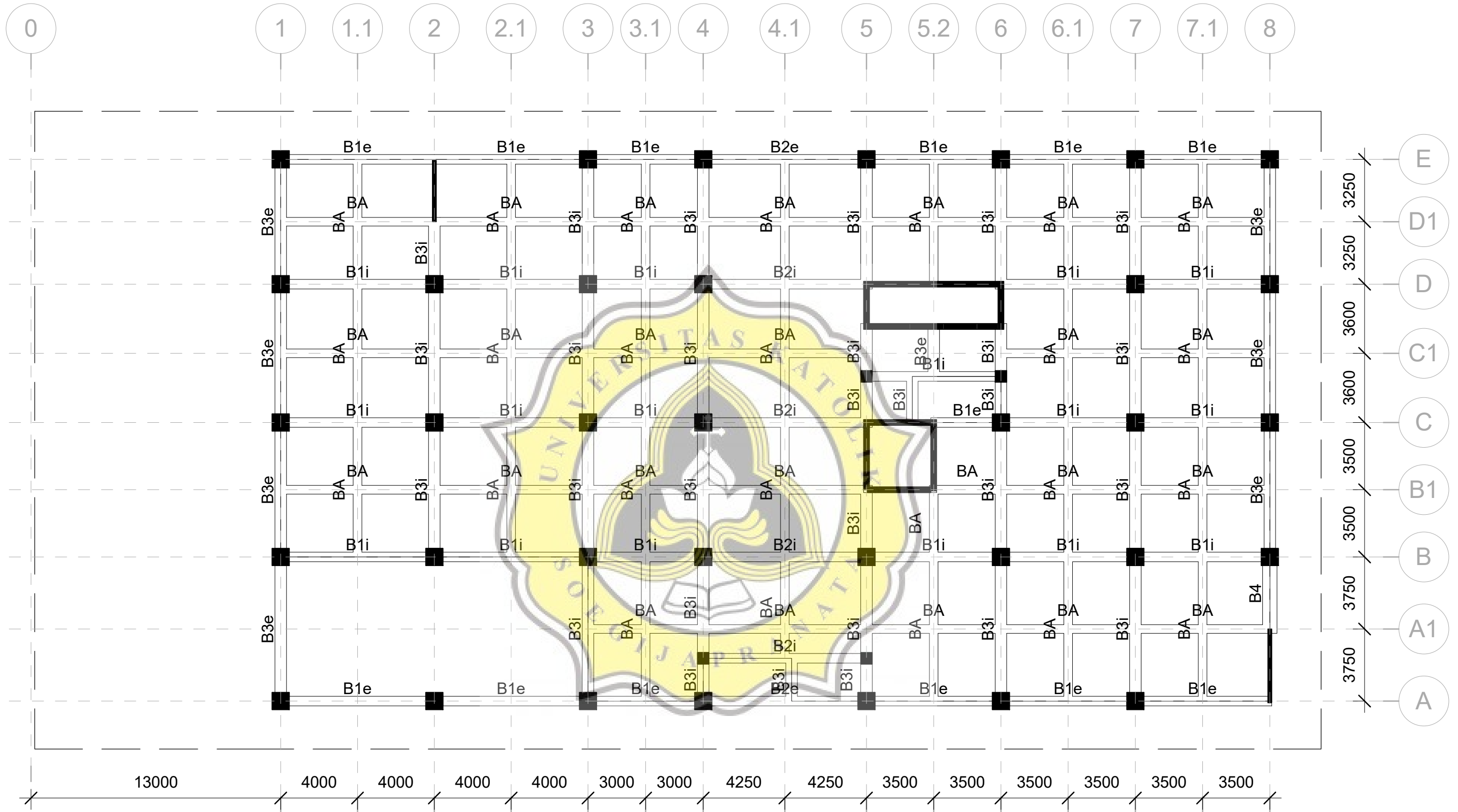
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DENAH TIEBEAM

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S-BL-00

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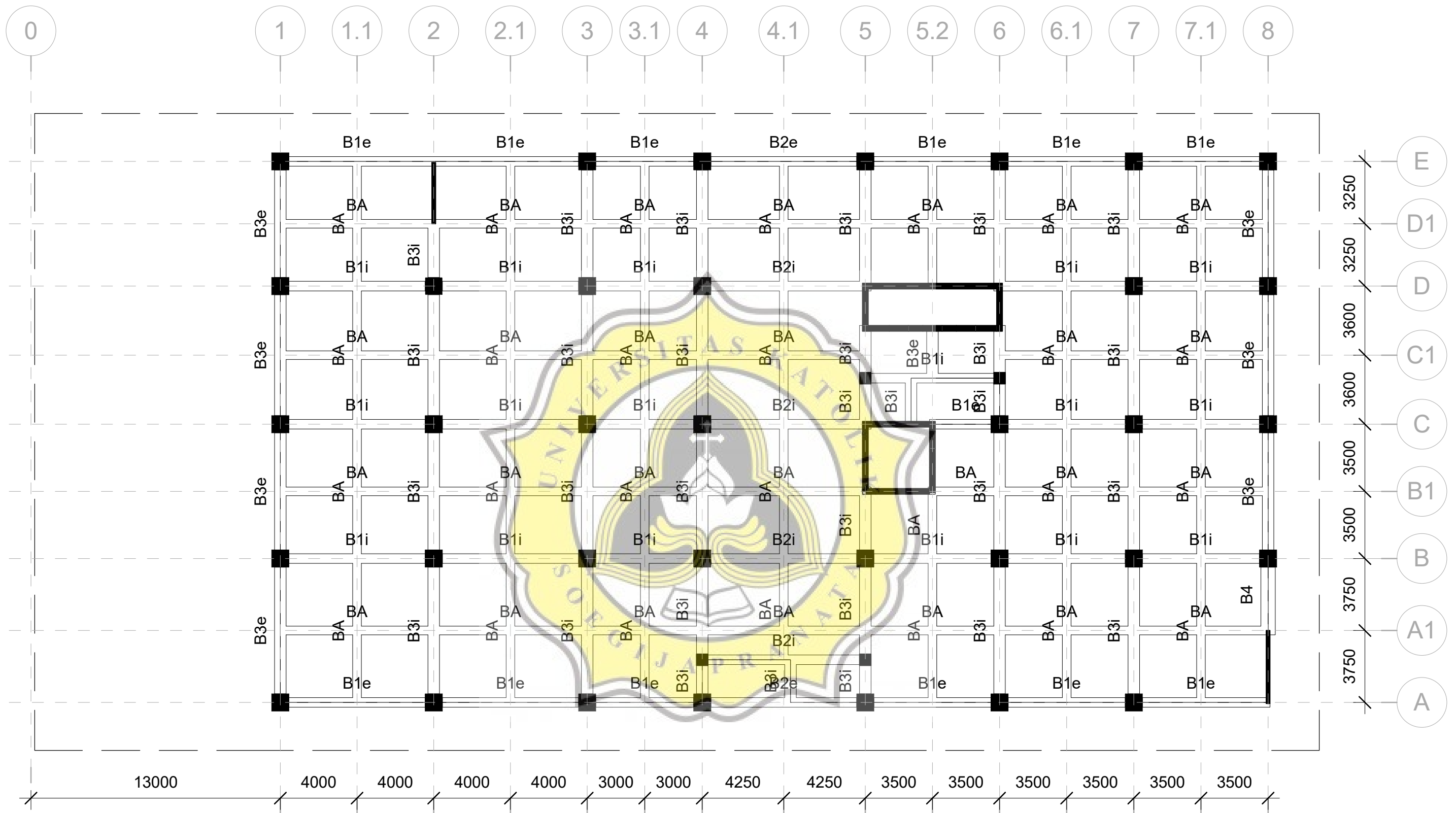
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DENAH BALOK GF

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S-BL-01

Scale 1 : 200



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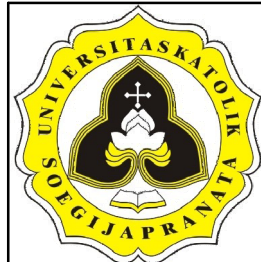
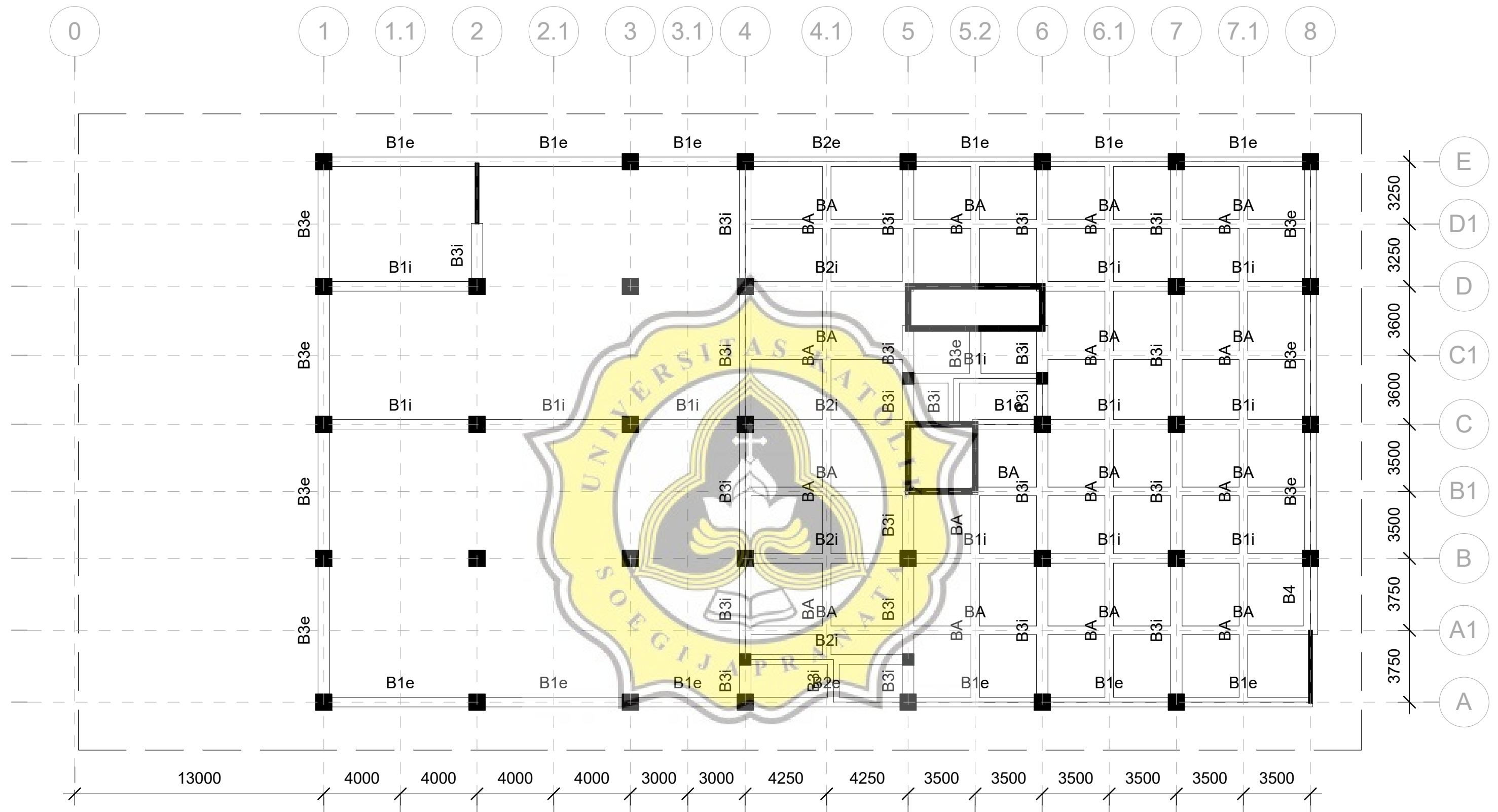
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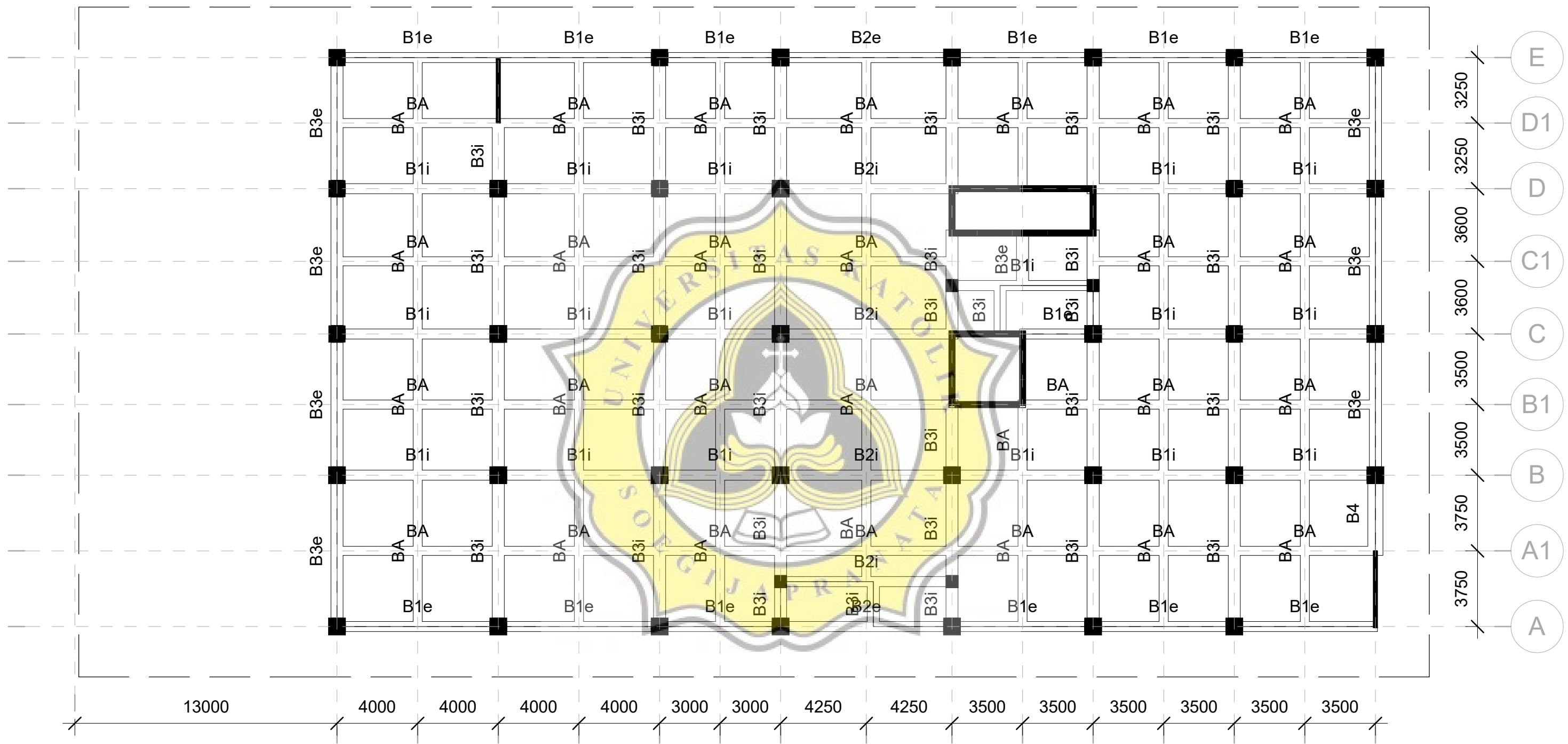
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S-BL-03

Scale 1 : 200

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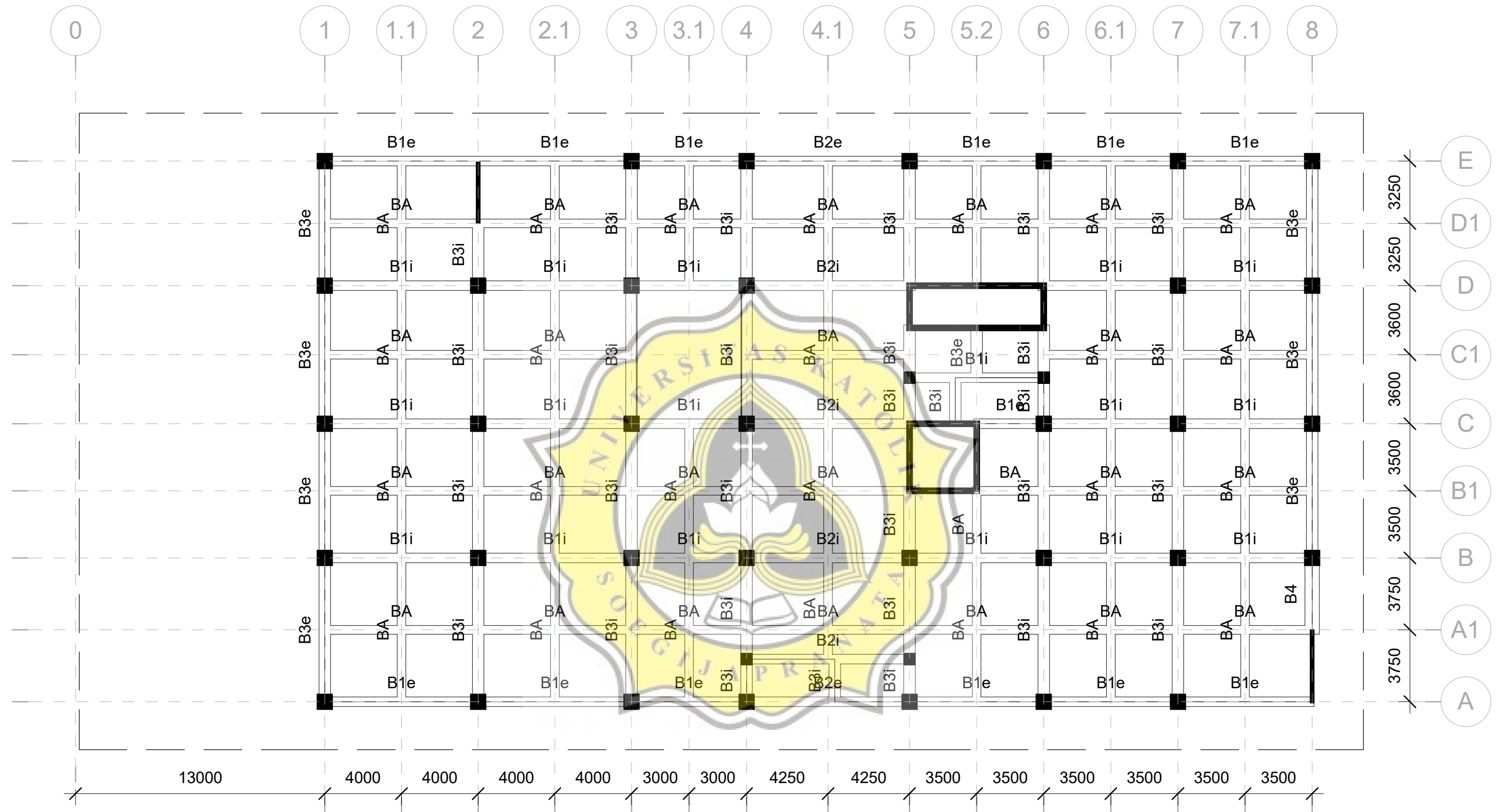
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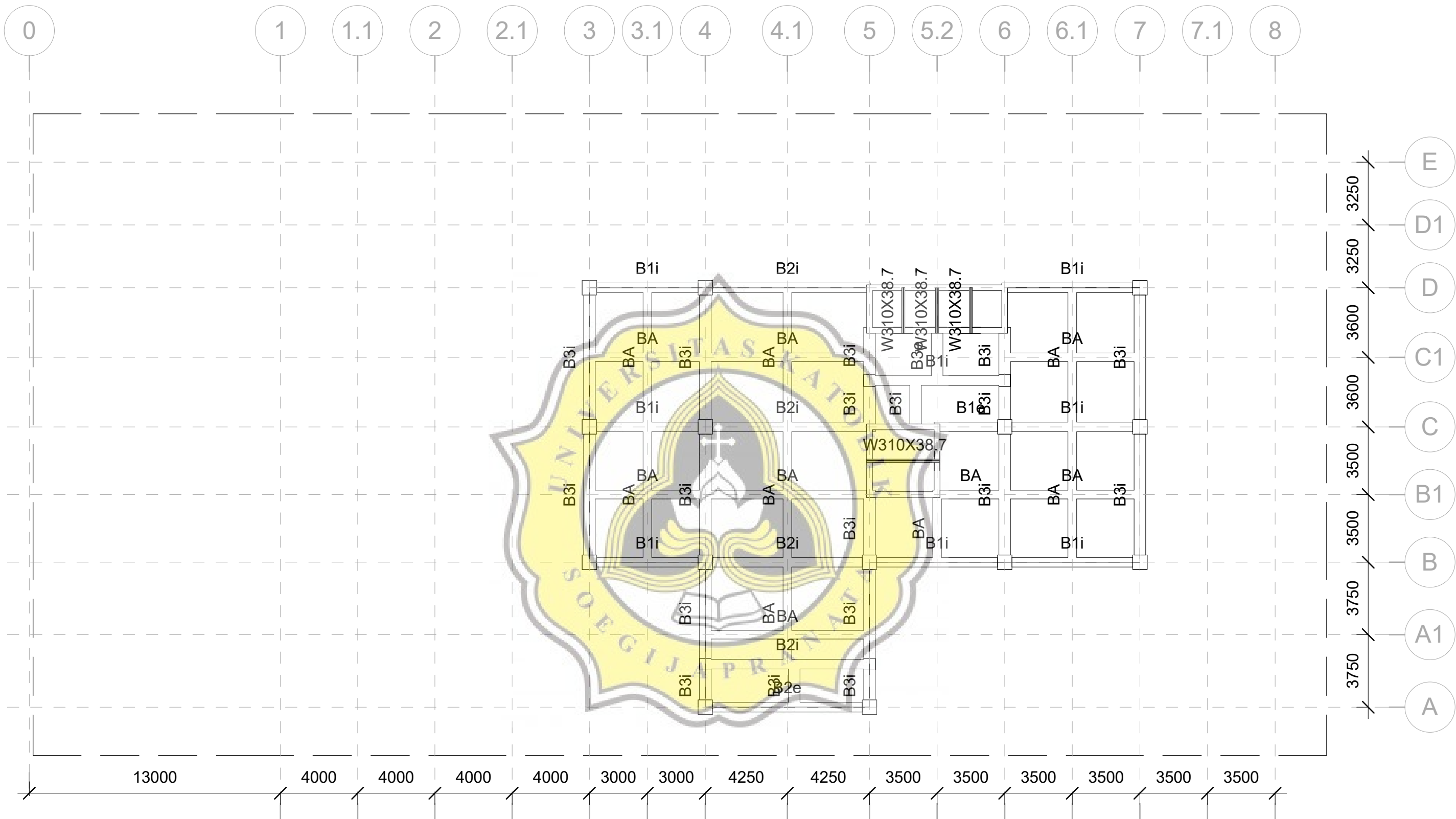
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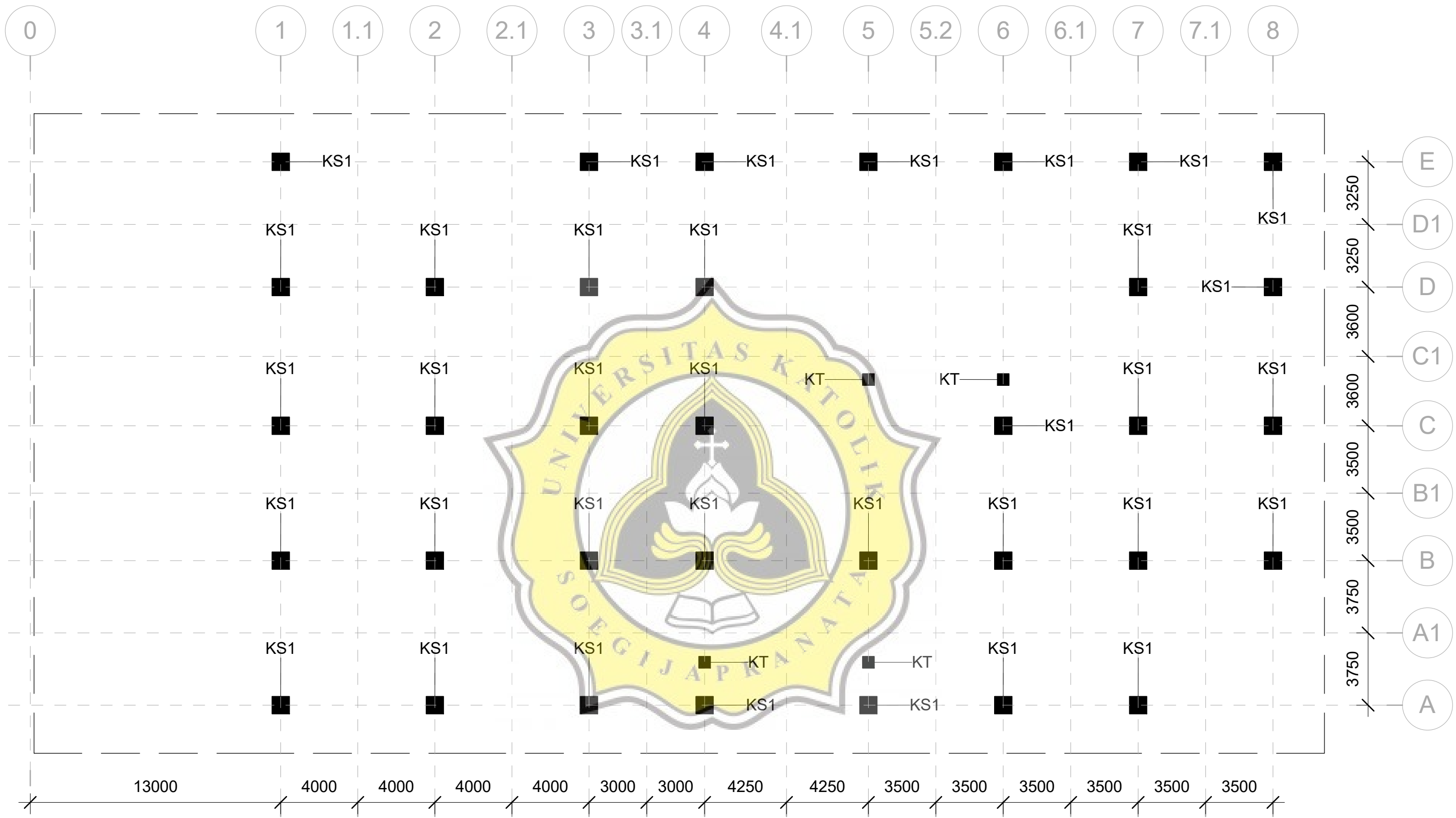
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Hotel SS

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S-BL-06

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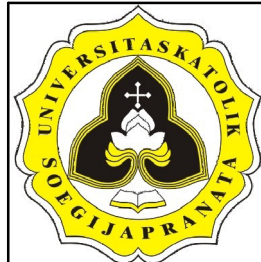
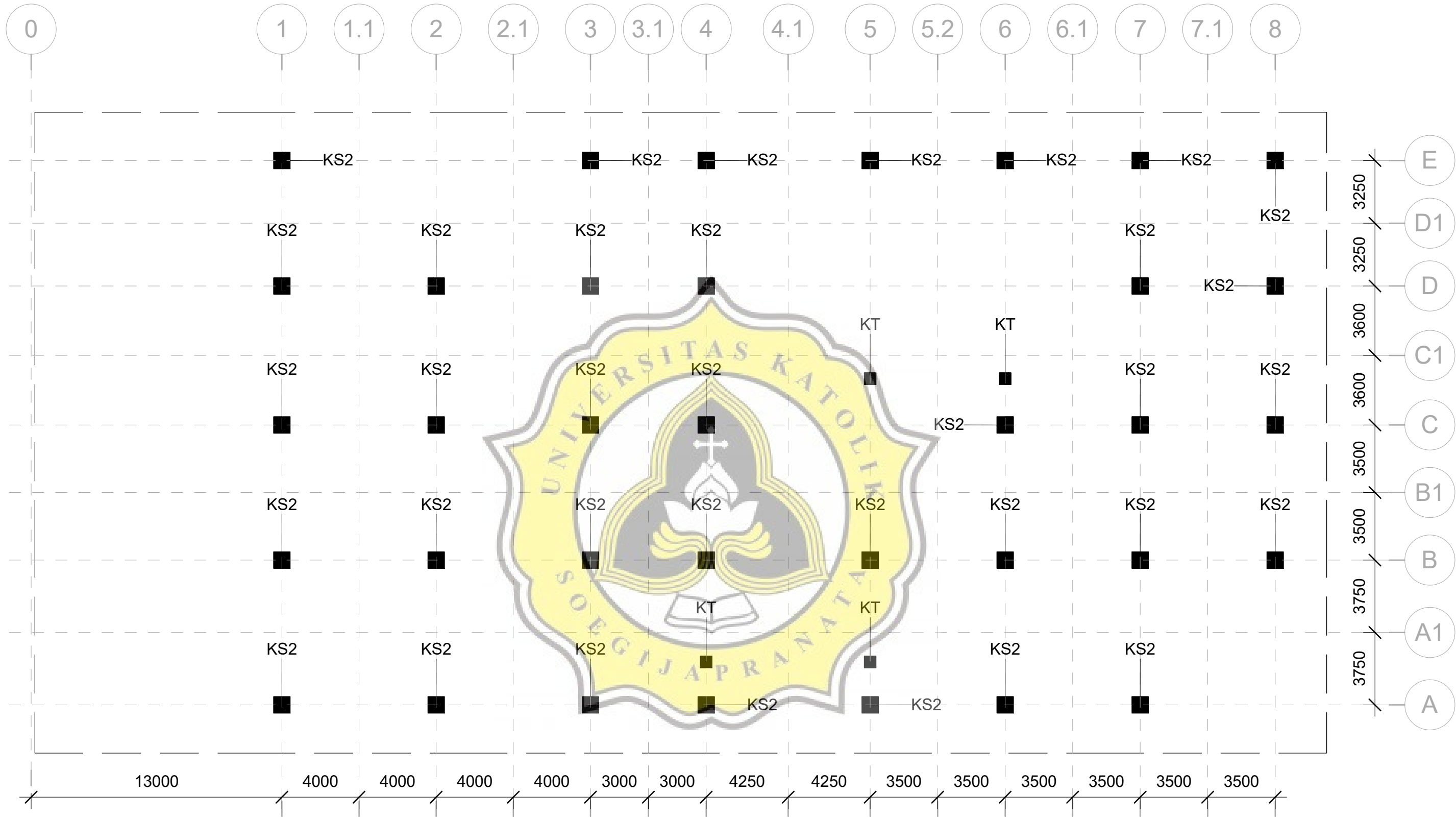
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Hotel SS

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Project number	0002
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Checked by	Ir. David Widiyanto, M.T, IPM

S-KLM-01

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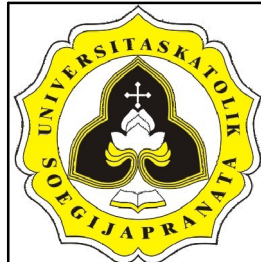
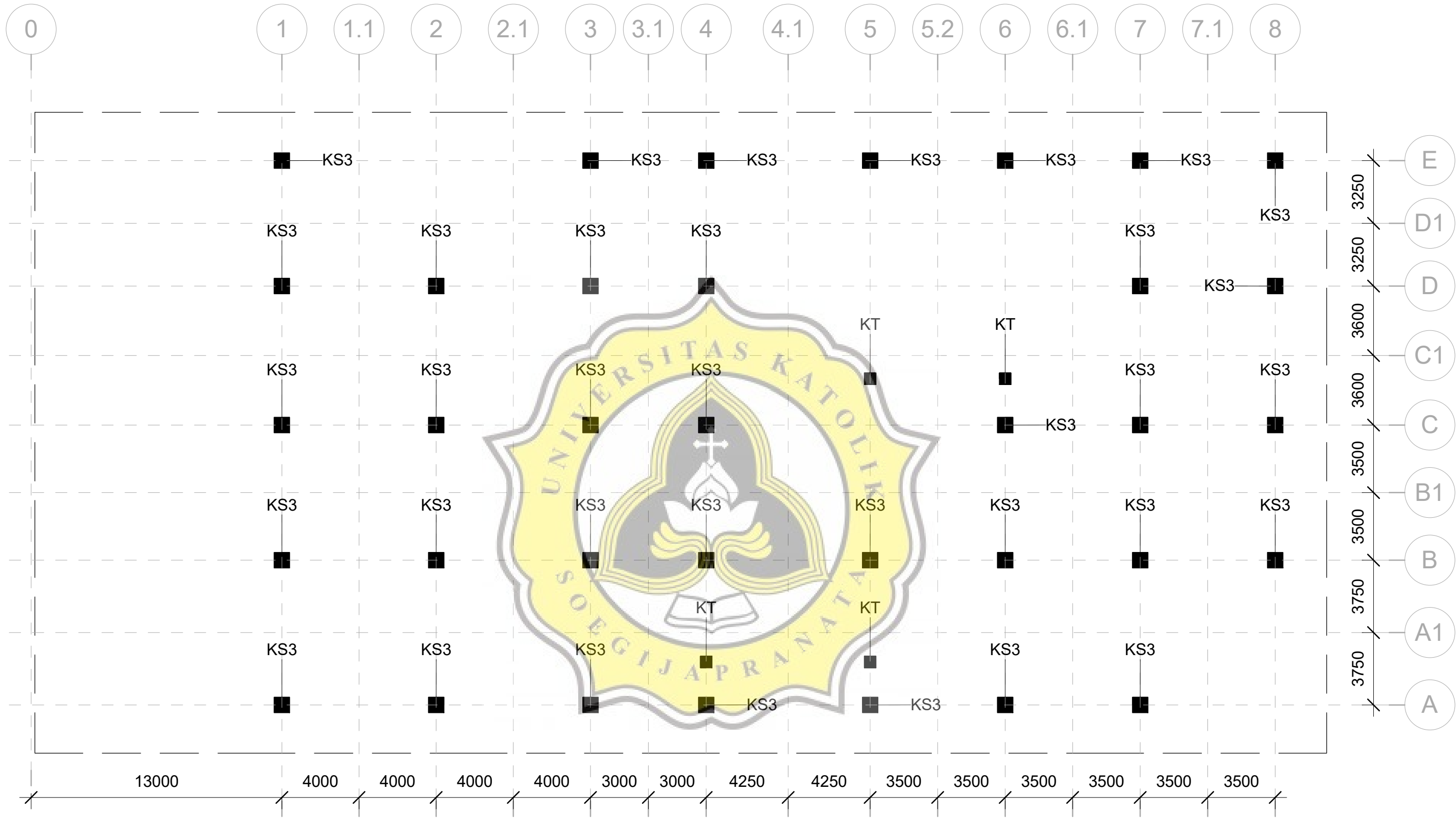
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S-KLM-02

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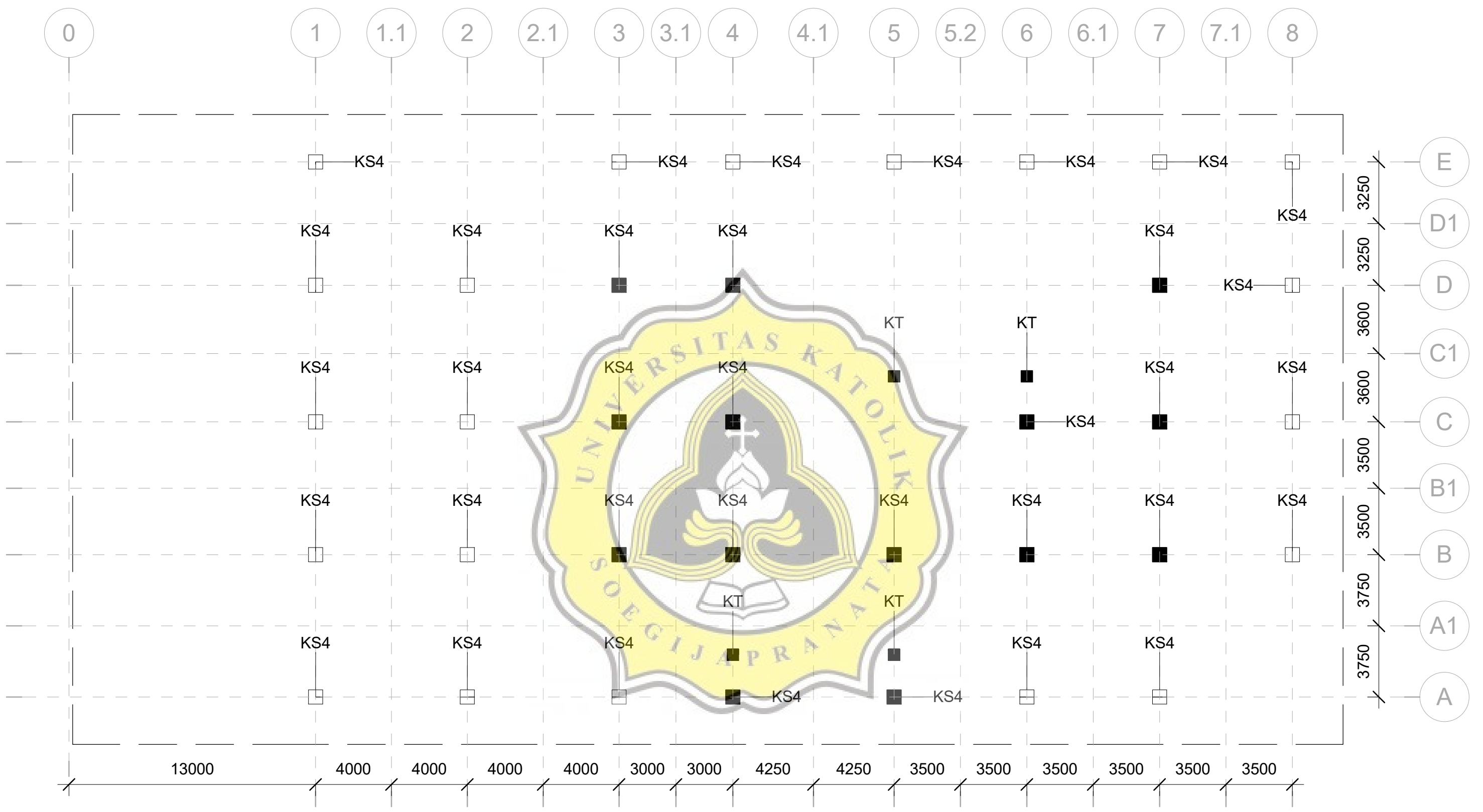
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Hotel SS

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S-KLM-03

Scale 1 : 200



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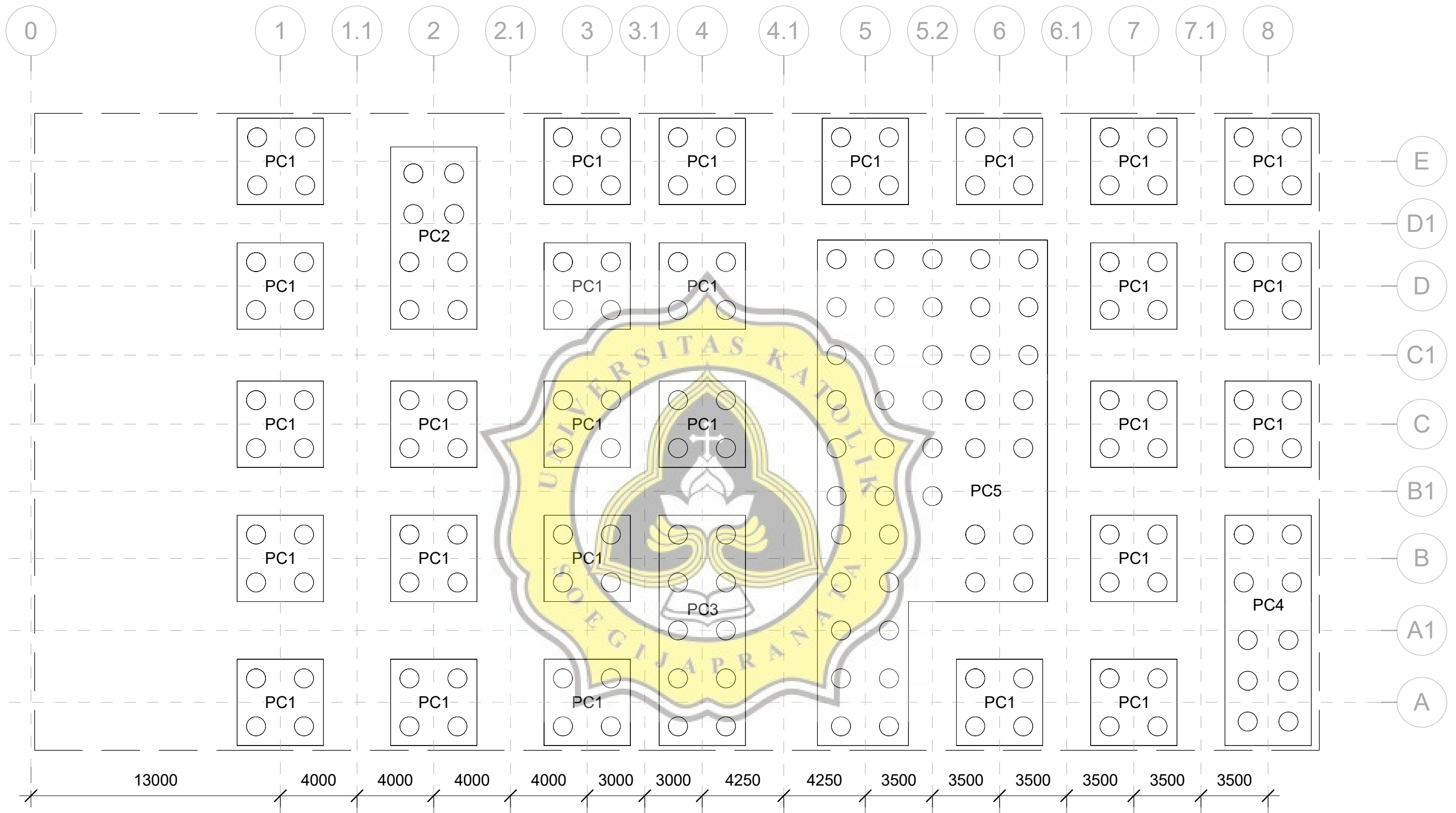
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Tugas Akhir

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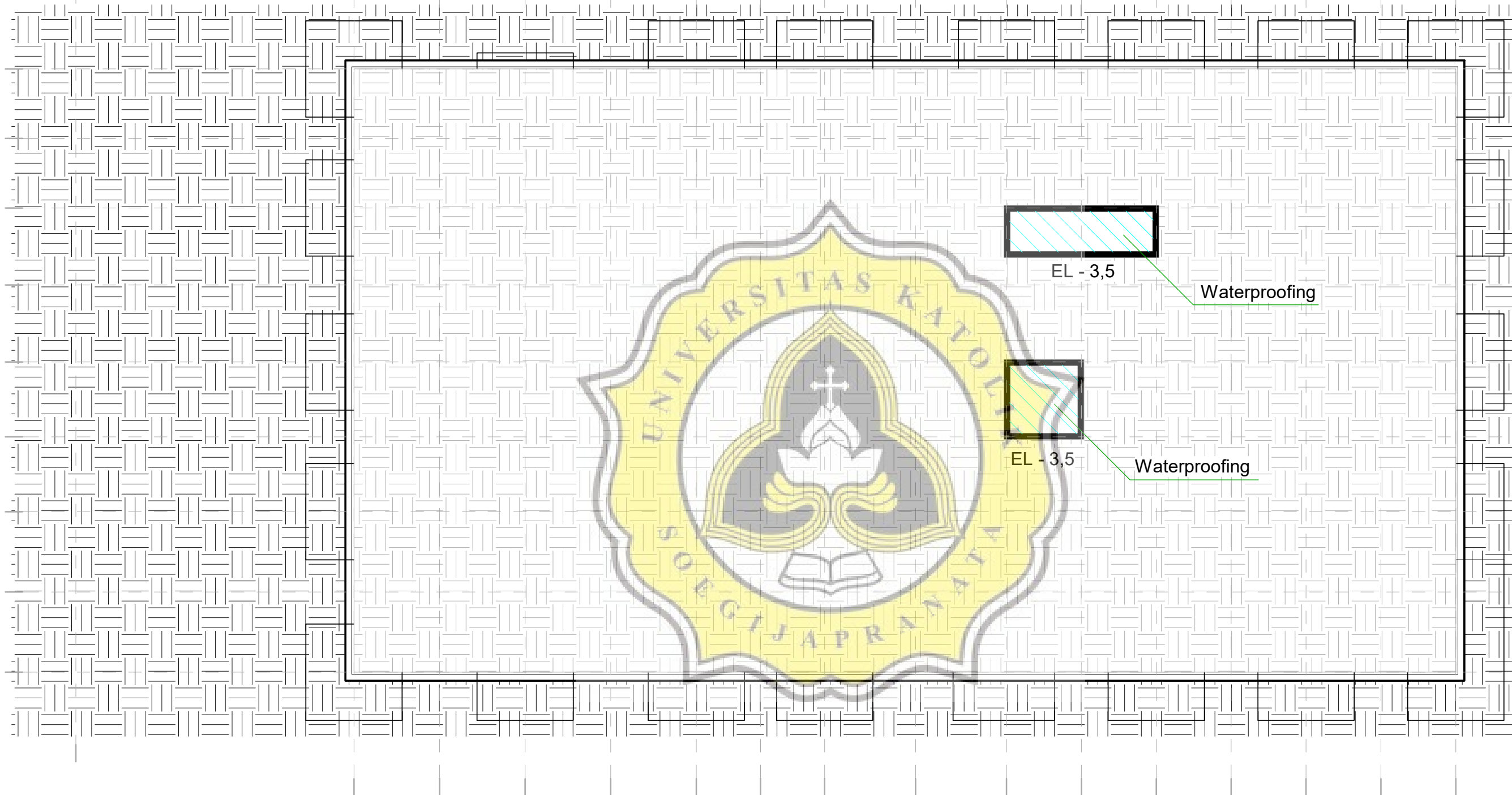
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Project number	0002
Date	4 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto, M.T, IPM

S-PC-01

Scale 1 : 200

0 1 1.1 2 2.1 3 3.1 4 4.1 5 5.2 6 6.1 7 7.1 8



E
D1
D
C1
C
B1
B
A1
A



Program Studi Teknik Sipil
Fakultas Teknik
Universitas Katolik Soegijapranata
Semarang

No.	Description	Date

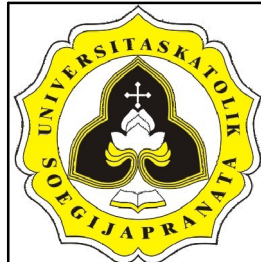
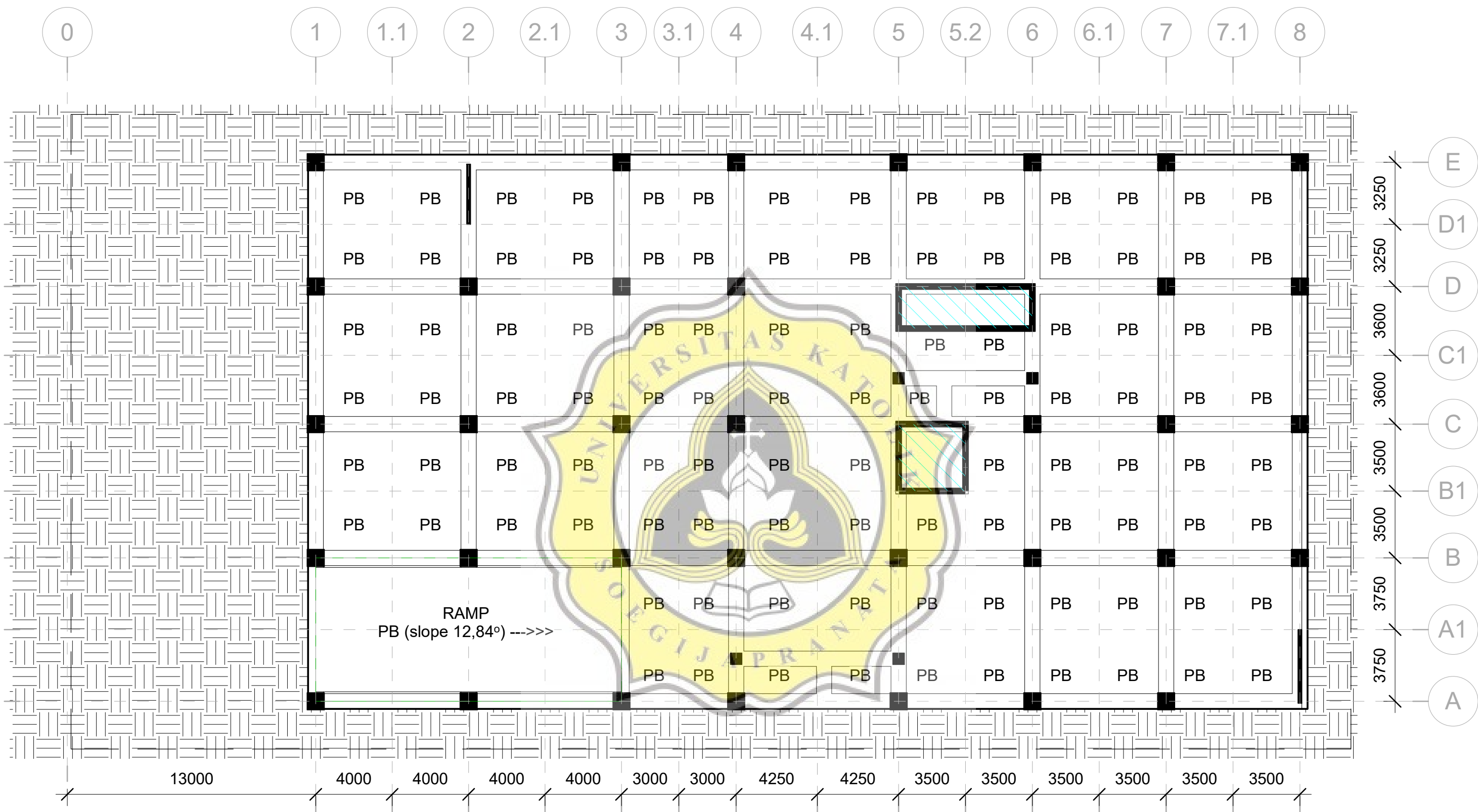
Tugas Akhir
Hotel SS

DENAH PITLIFT

Project number	0002
Date	4 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto, M.T, IPM

S-PL-01

Scale 1 : 200



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Fakultas Teknik
Universitas Katolik Soegijapranata
Semarang

No.	Description	Date

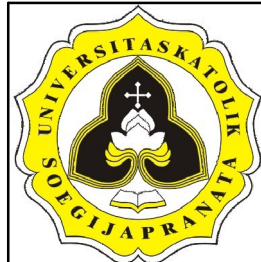
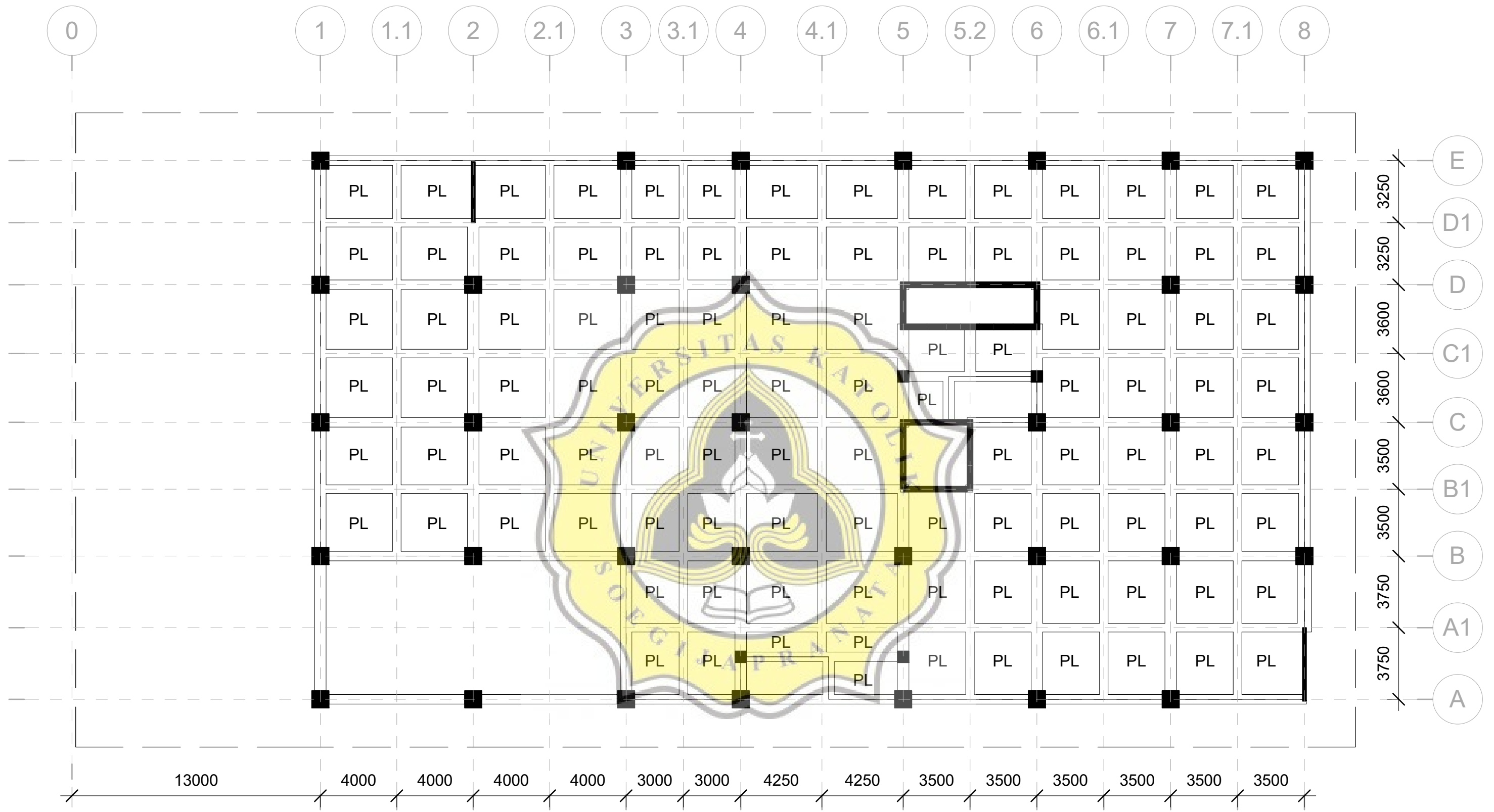
Tugas Akhir
Hotel SS

DENAH SLAB BASEMENT

Project number	0002
Date	4 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto, M.T, IPM

S-SL-00

Scale 1 : 200



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Fakultas Teknik
Universitas Katolik Soegijapranata
Semarang

No.	Description	Date

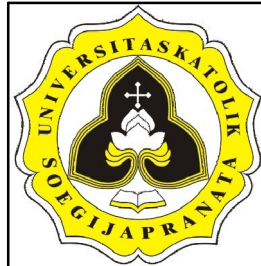
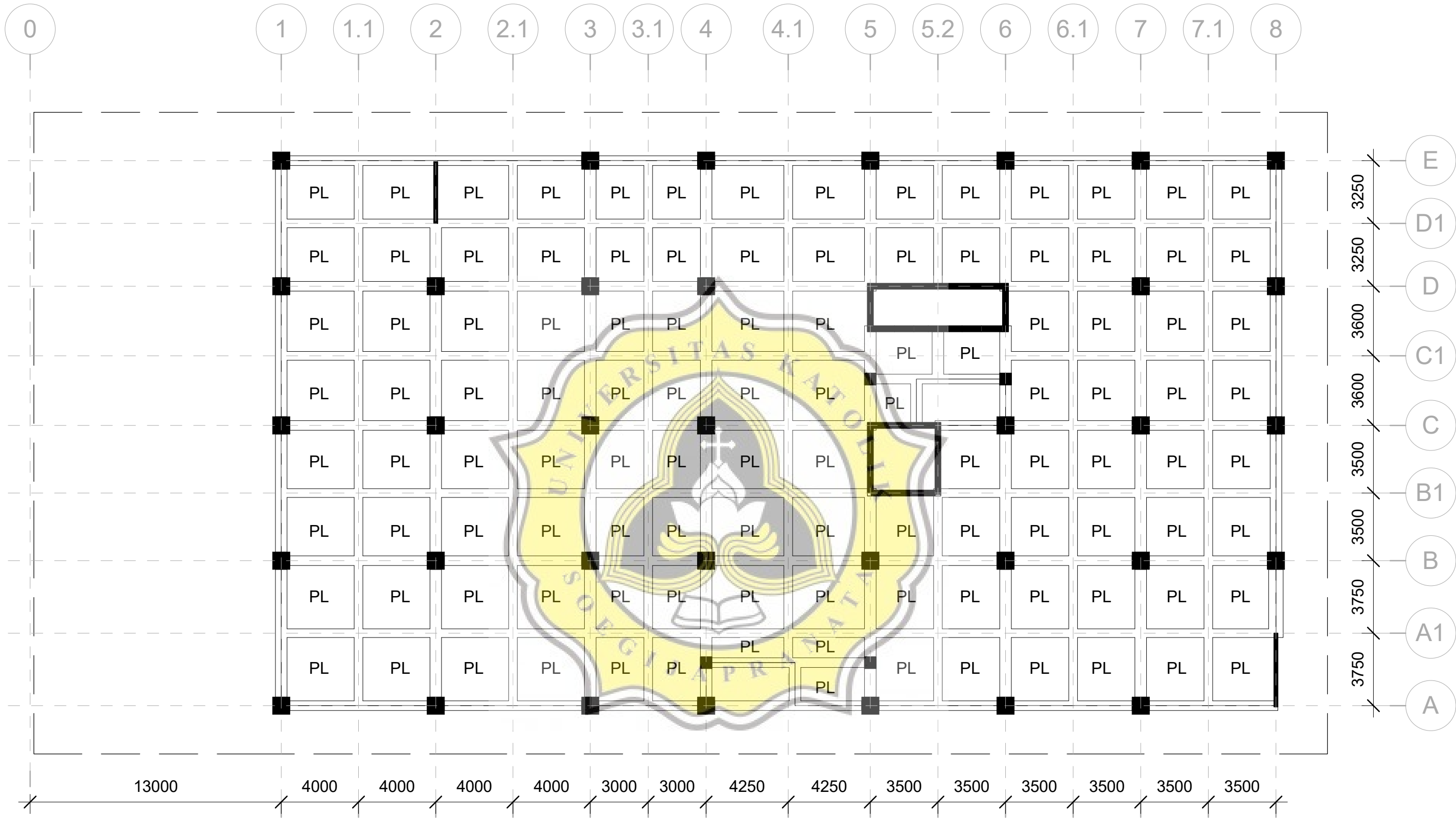
Tugas Akhir
Hotel SS

DENAH SLAB GF

Project number	0002
Date	4 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto, M.T, IPM

S-SL-01

Scale 1 : 200



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Semarang

No.	Description	Date

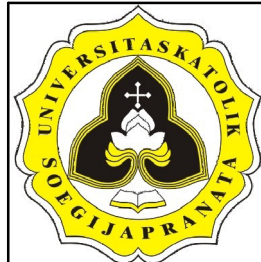
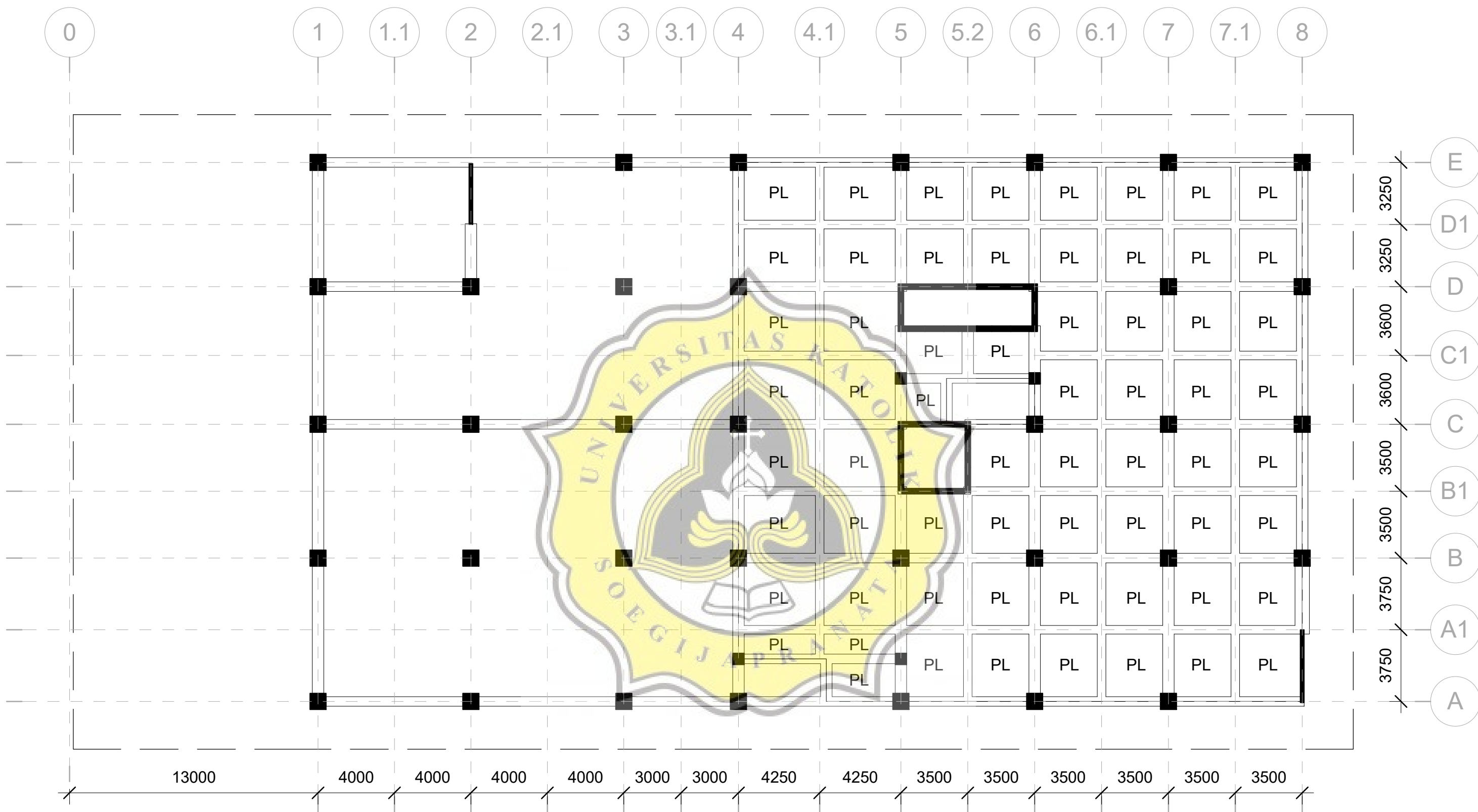
Tugas Akhir
Hotel SS

DENAH SLAB LT2

Project number	0002
Date	4 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto, M.T, IPM

S-SL-02

Scale 1 : 200



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Semarang

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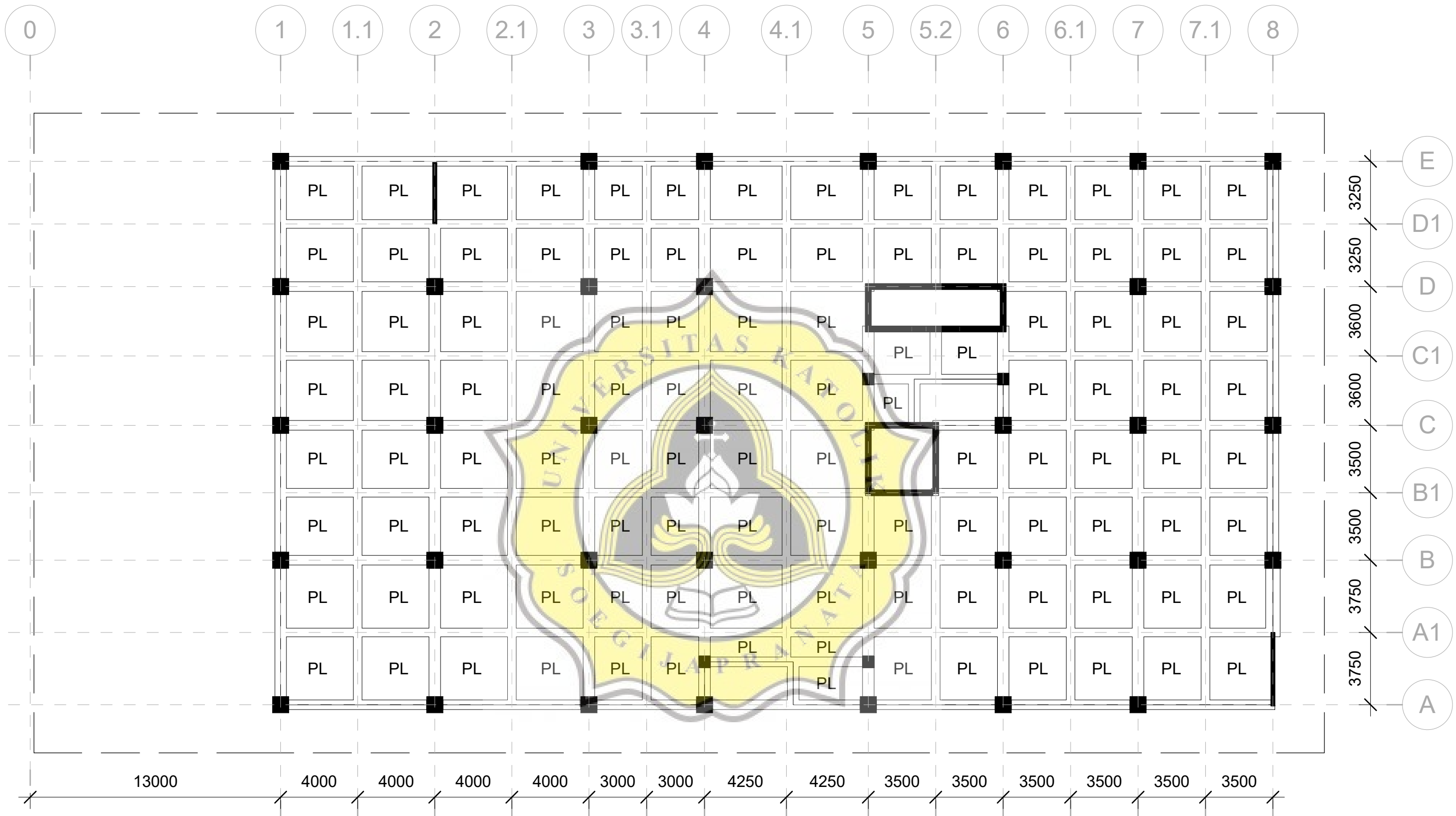
Tugas Akhir
Hotel SS

DENAH SLAB LT3

Project number	0002
Date	4 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto, M.T, IPM

S-SL-03

Scale 1 : 200



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Semarang

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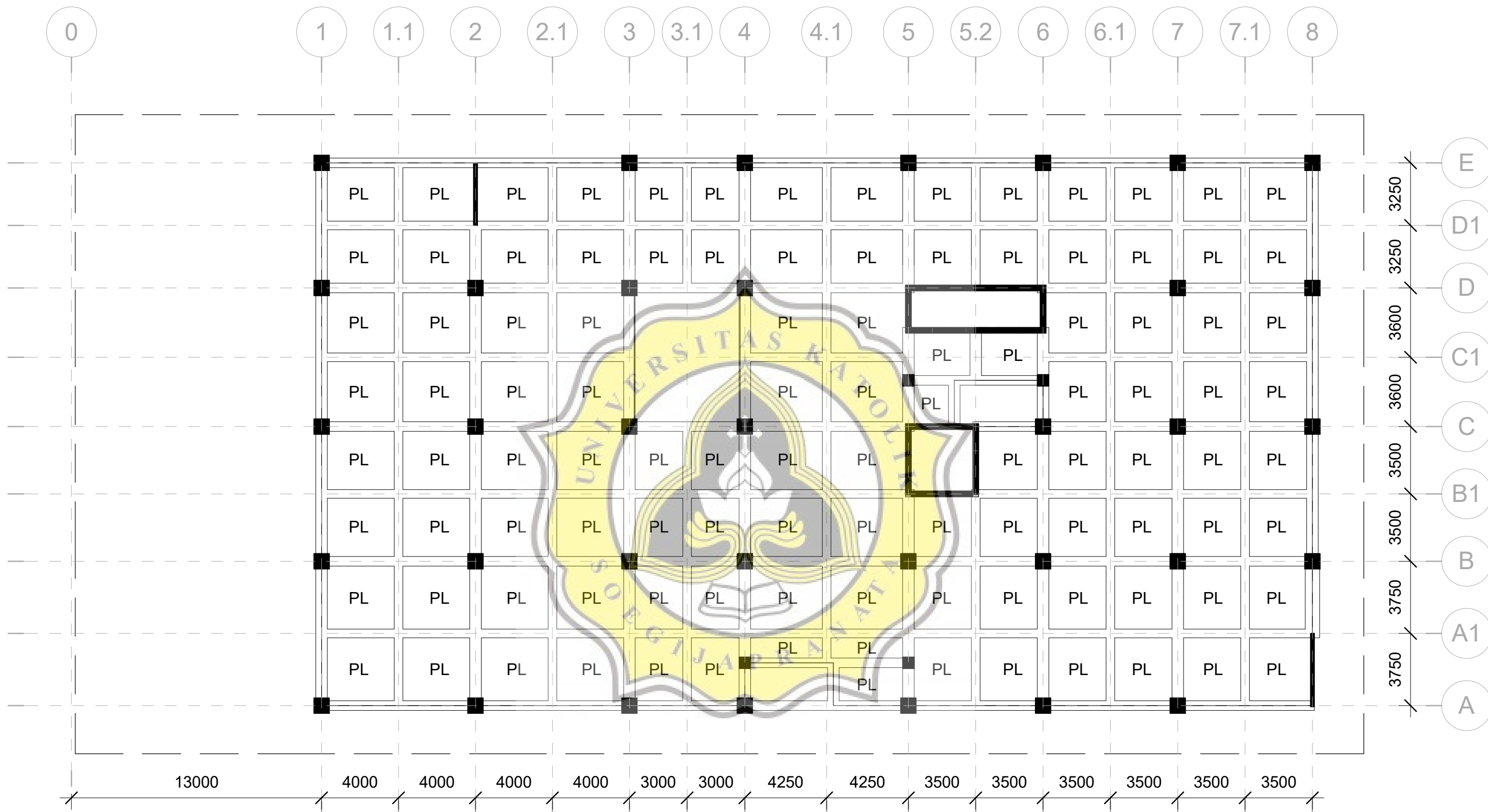
Tugas Akhir
Hotel SS

DENAH SLAB LT4

Project number	0002
Date	4 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto, M.T, IPM

S-SL-04

Scale 1 : 200



Program Studi Teknik Sipil
Fakultas Teknik

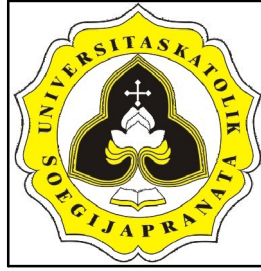
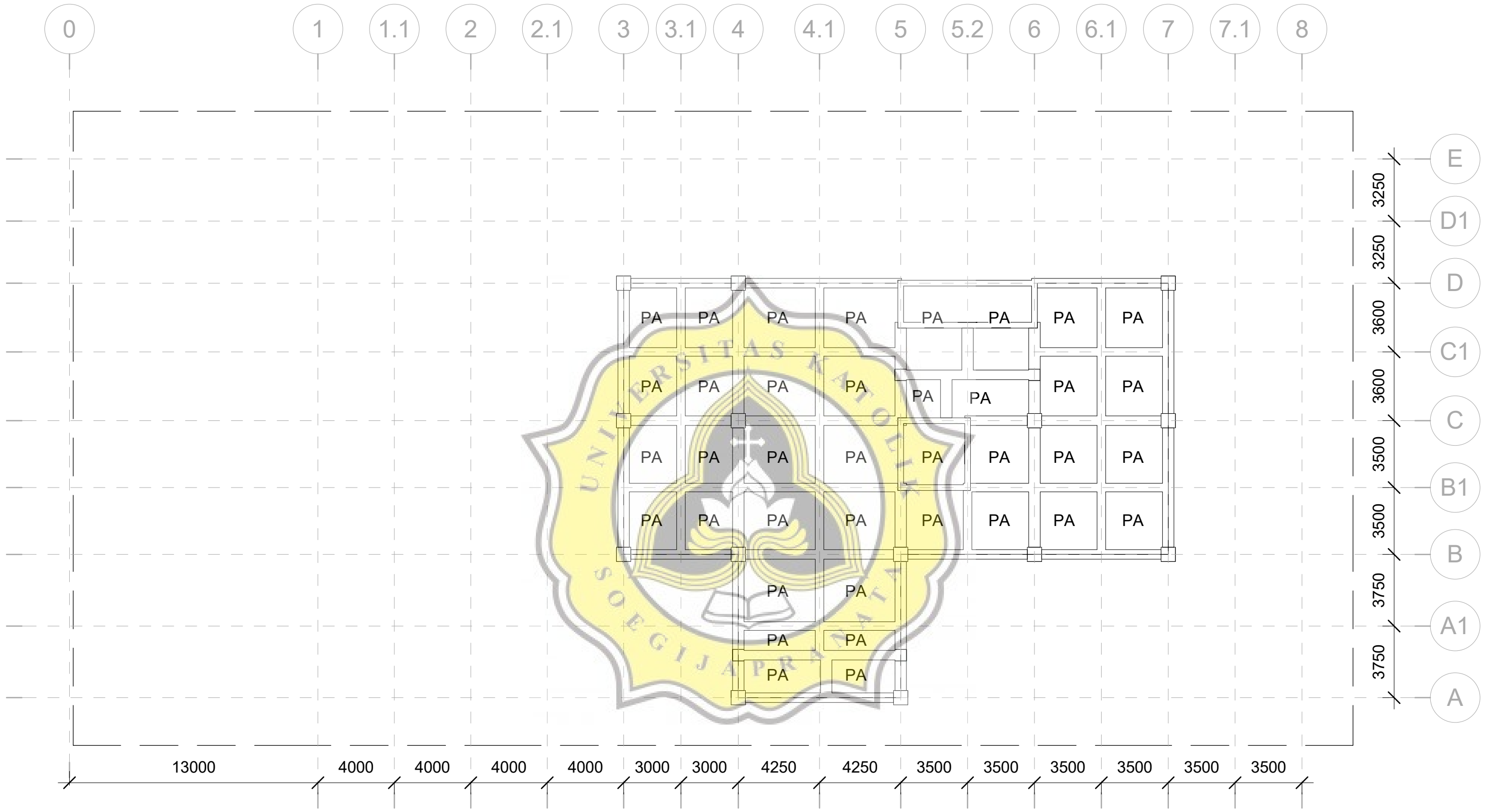
Universitas Katolik Soegijapranata
Semarang

No.	Description	Date

Tugas Akhir

Hotel SS

DENAH SLAB LT5 - ATAP		S-SL-05
Project number	0002	
Date	4 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto, M.T, IPM	
Scale		1 : 200



Program Studi Teknik Sipil
Fakultas Teknik

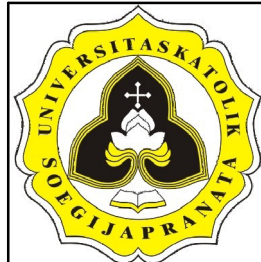
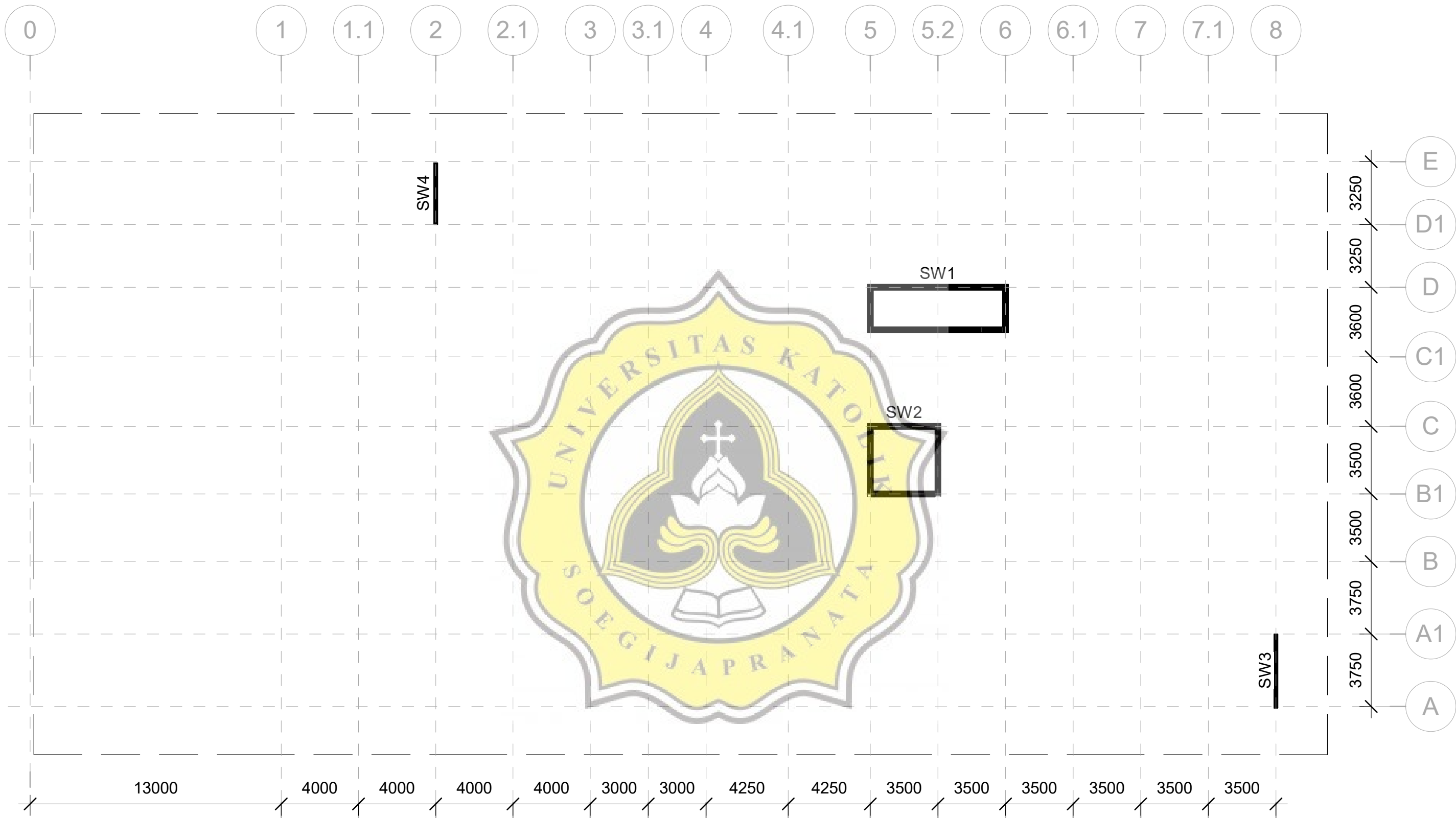
Universitas Katolik Soegijapranata
Semarang

No.	Description	Date

Tugas Akhir

Hotel SS

DENAH SLAB ATAP		S-SL-06
Project number	0002	
Date	4 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto, M.T, IPM	Scale
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Program Studi Teknik Sipil
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Universitas Katolik Soegijapranata
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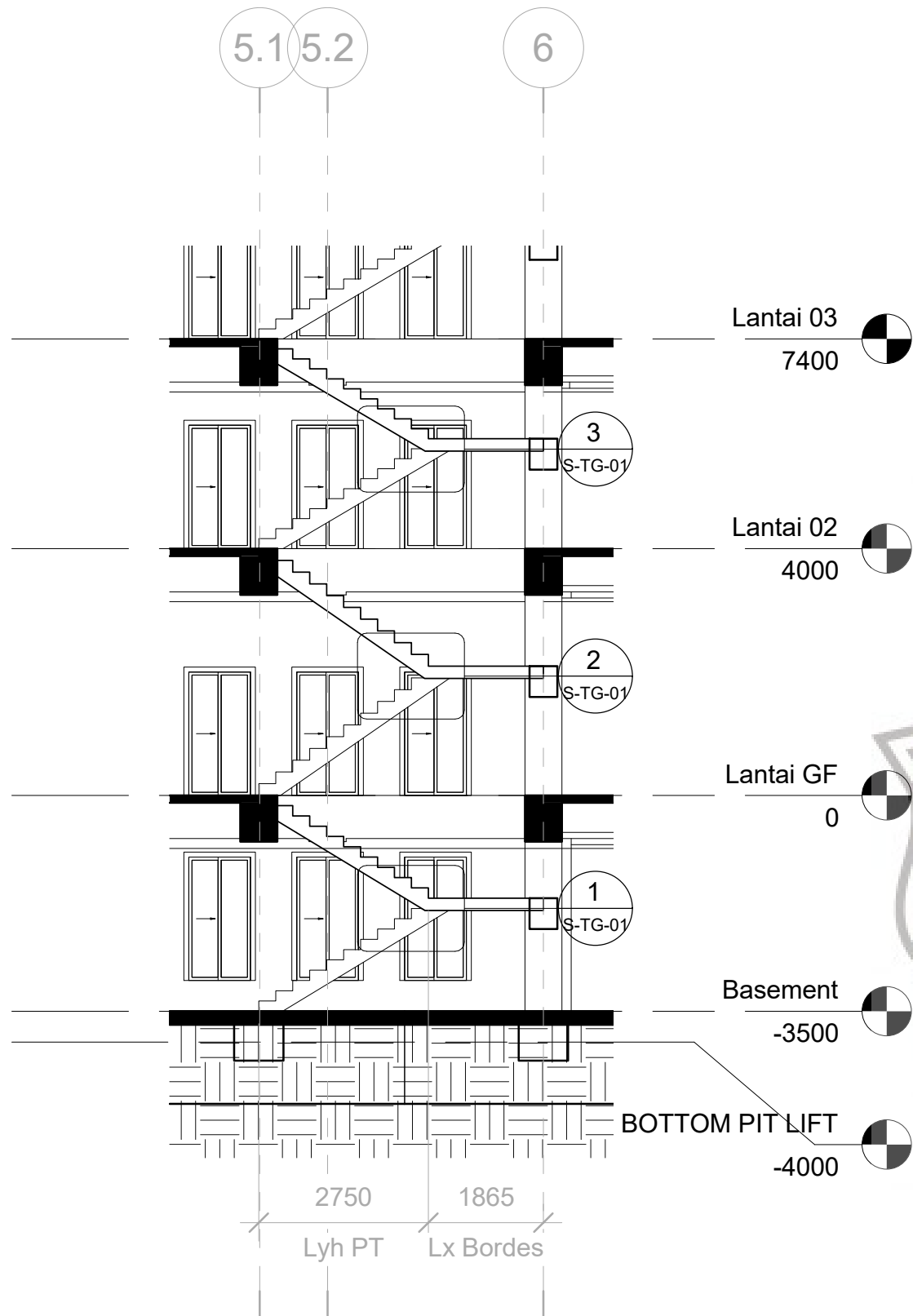
Tugas Akhir
Hotel SS

DENAH SHEARWALL

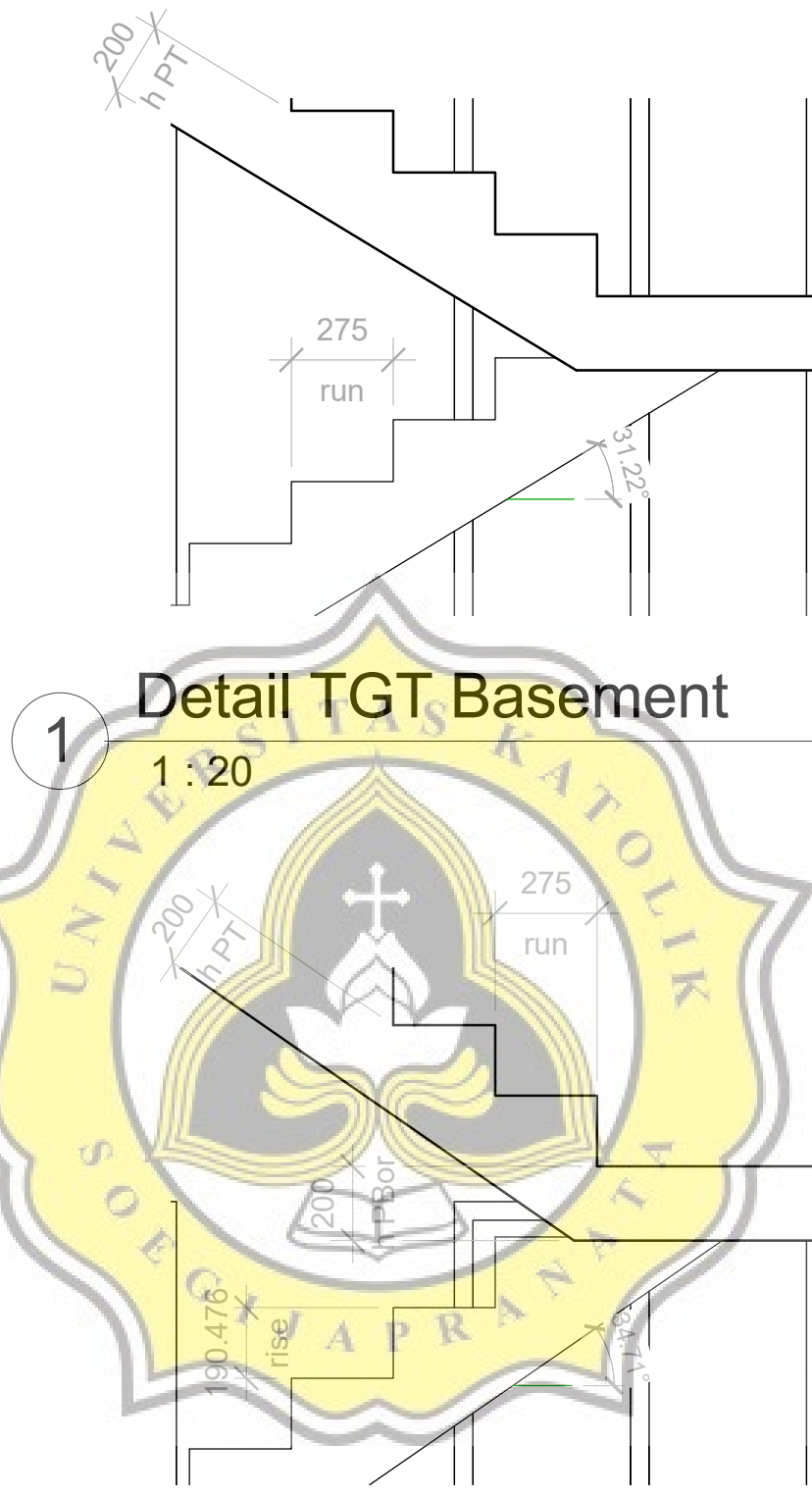
Project number	0002
Date	4 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto, M.T, IPM

S-SW-01

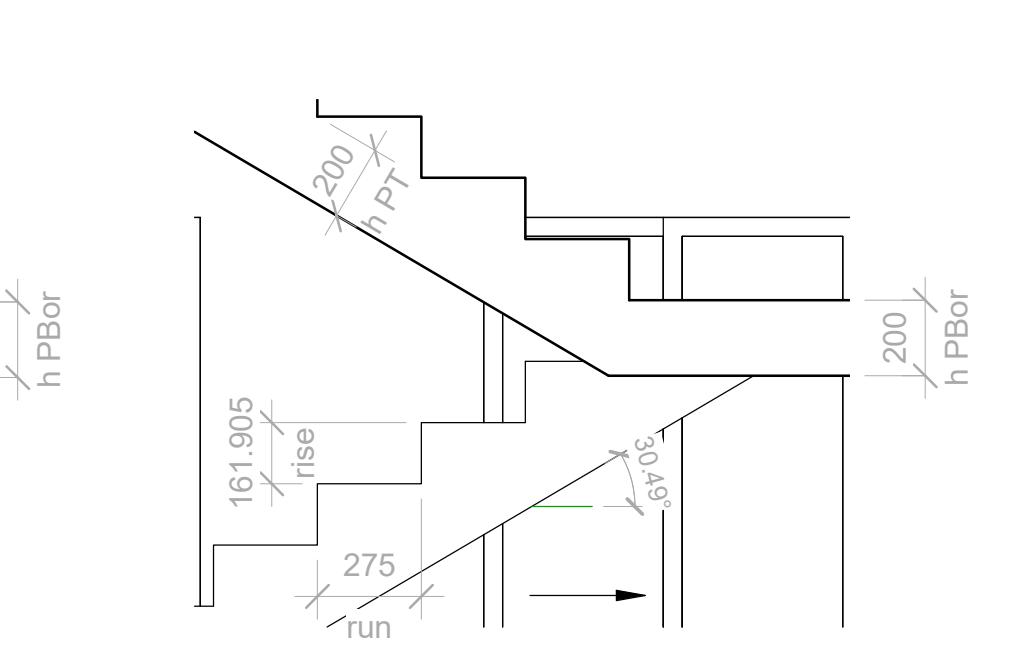
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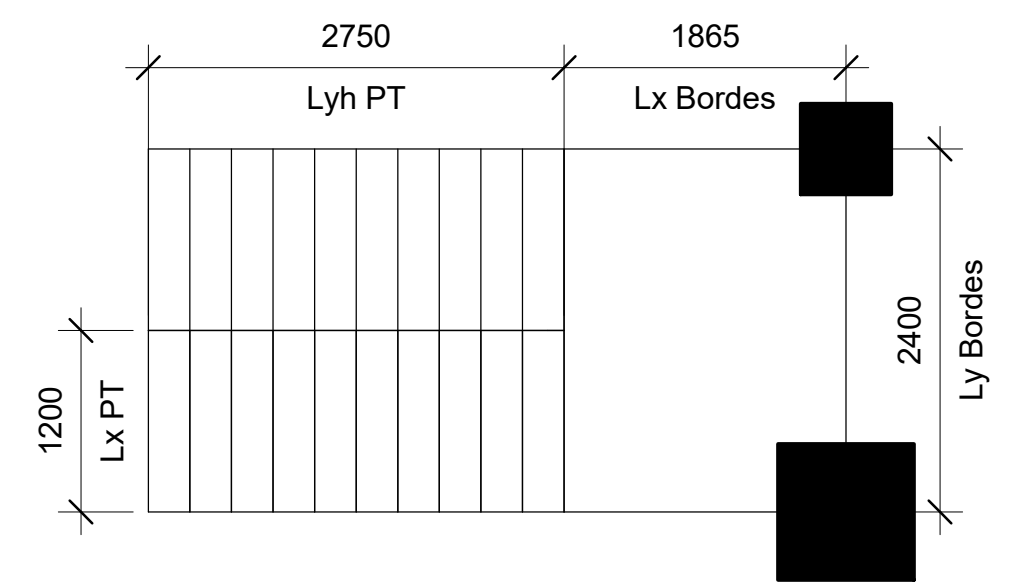
D Potongan Tangga Tengah
1 : 100



1 Detail TGT Basement
1 : 20



3 Detail TGT Lt 02
1 : 20



TA Tampak Atas TGT
1 : 50

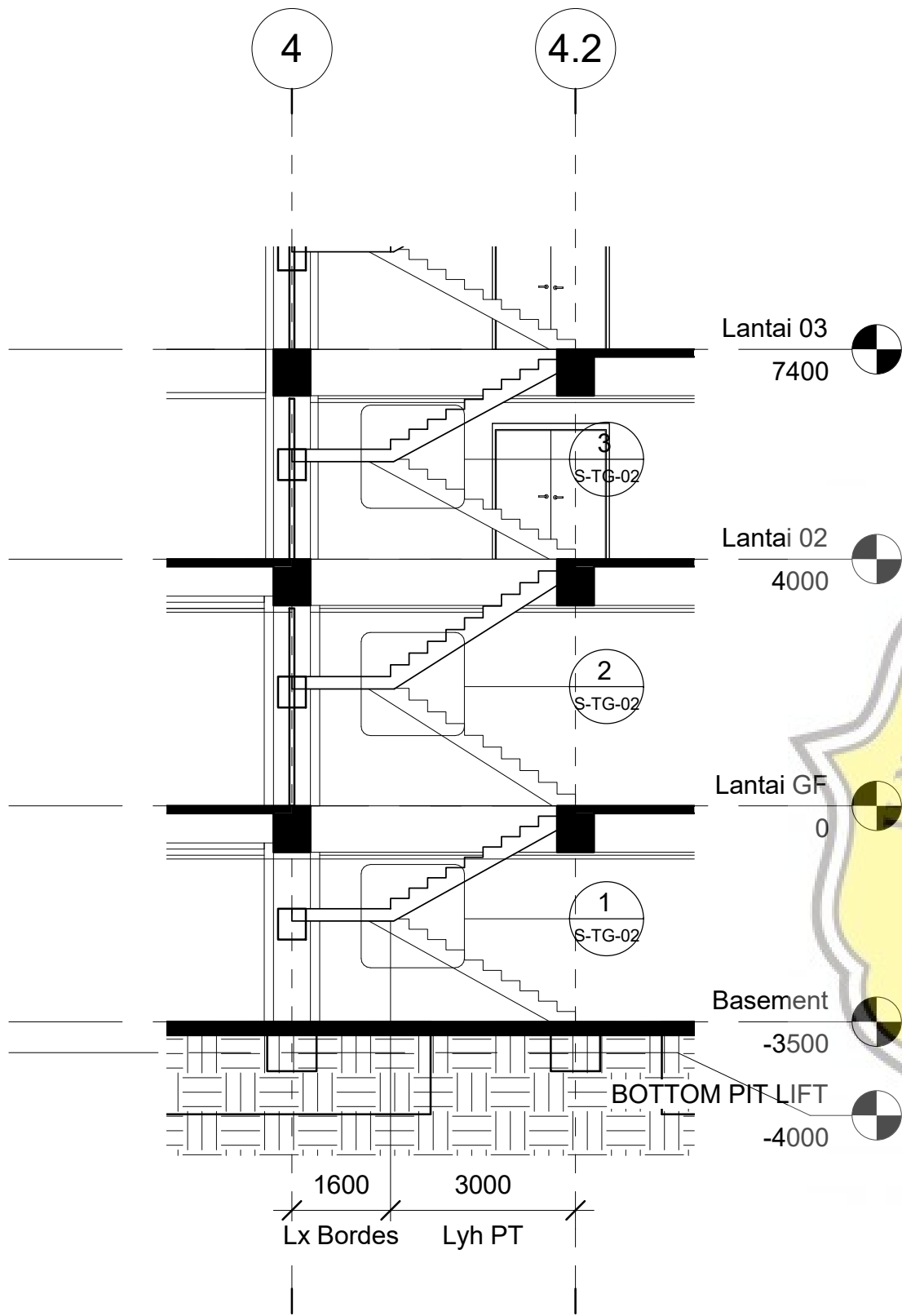


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Fakultas Teknik
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Semarang

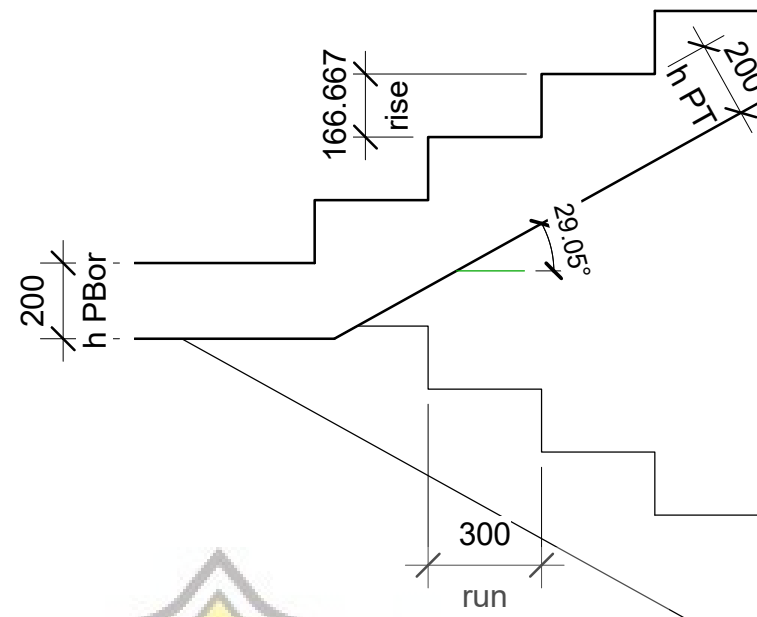
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Tugas Akhir
Hotel SS

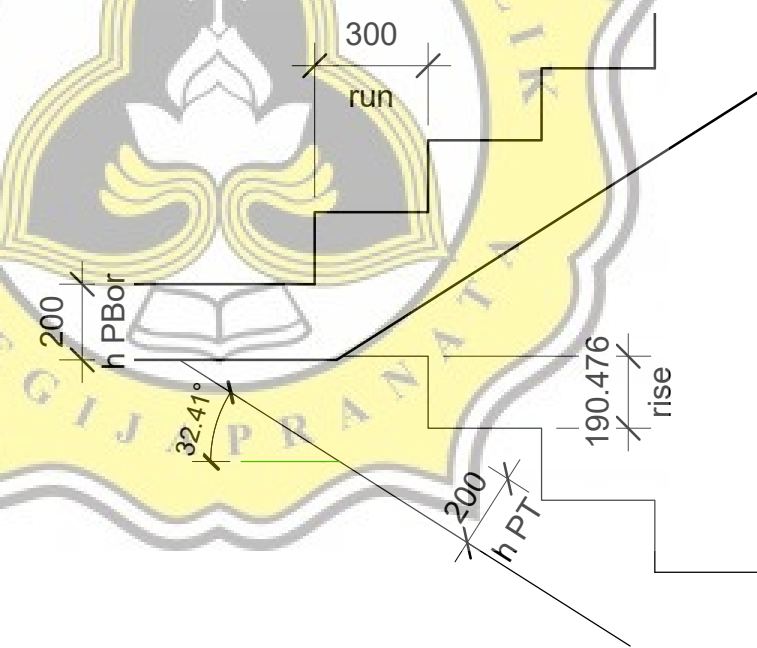
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Project number	0002	
Date	4 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto, M.T, IPM	
Scale	As indicated	



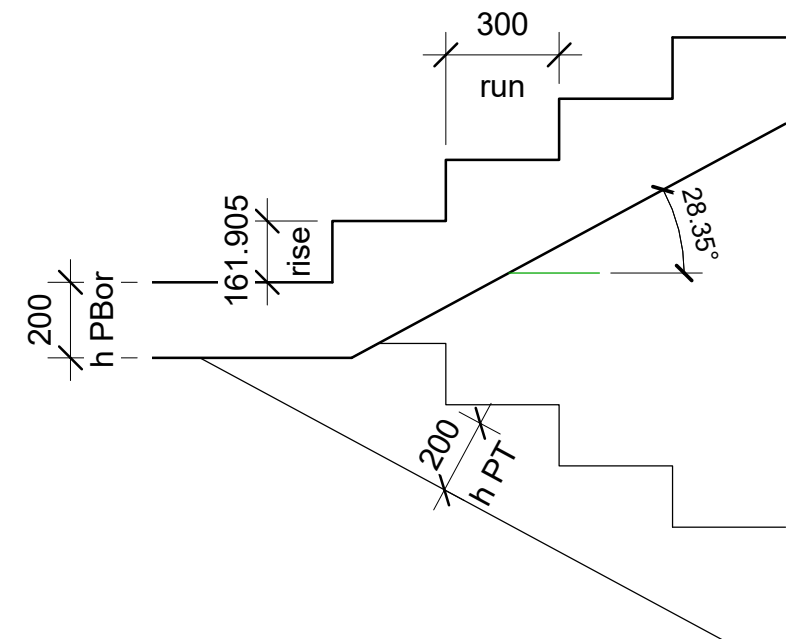
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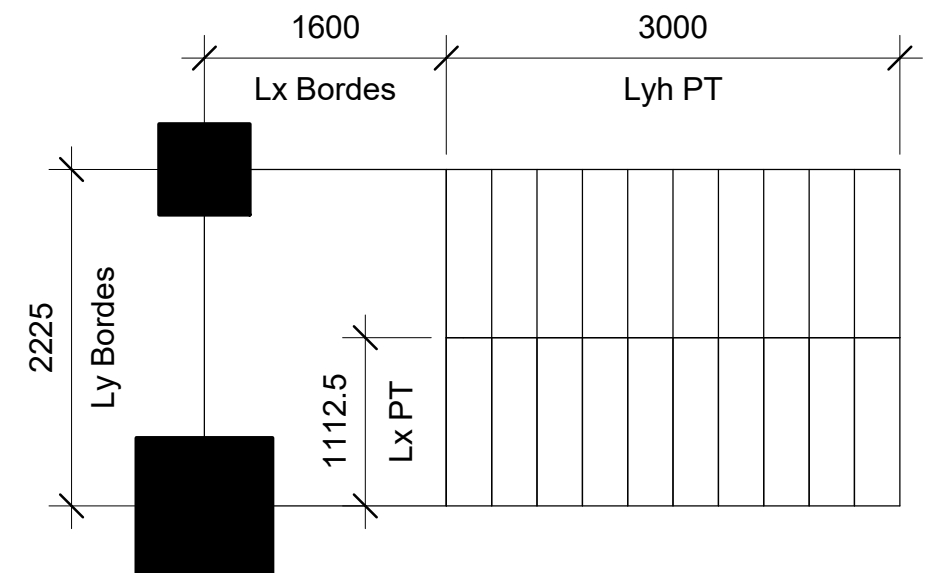
1 Detail TGS Basement
1 : 20



2 Detail TGS GF
1 : 20



3 Detail TGS Lt 02
1 : 20



TA Tampak Atas TGS
1 : 50



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Universitas Katolik Soegijapranata
Semarang

No.	Description	Date

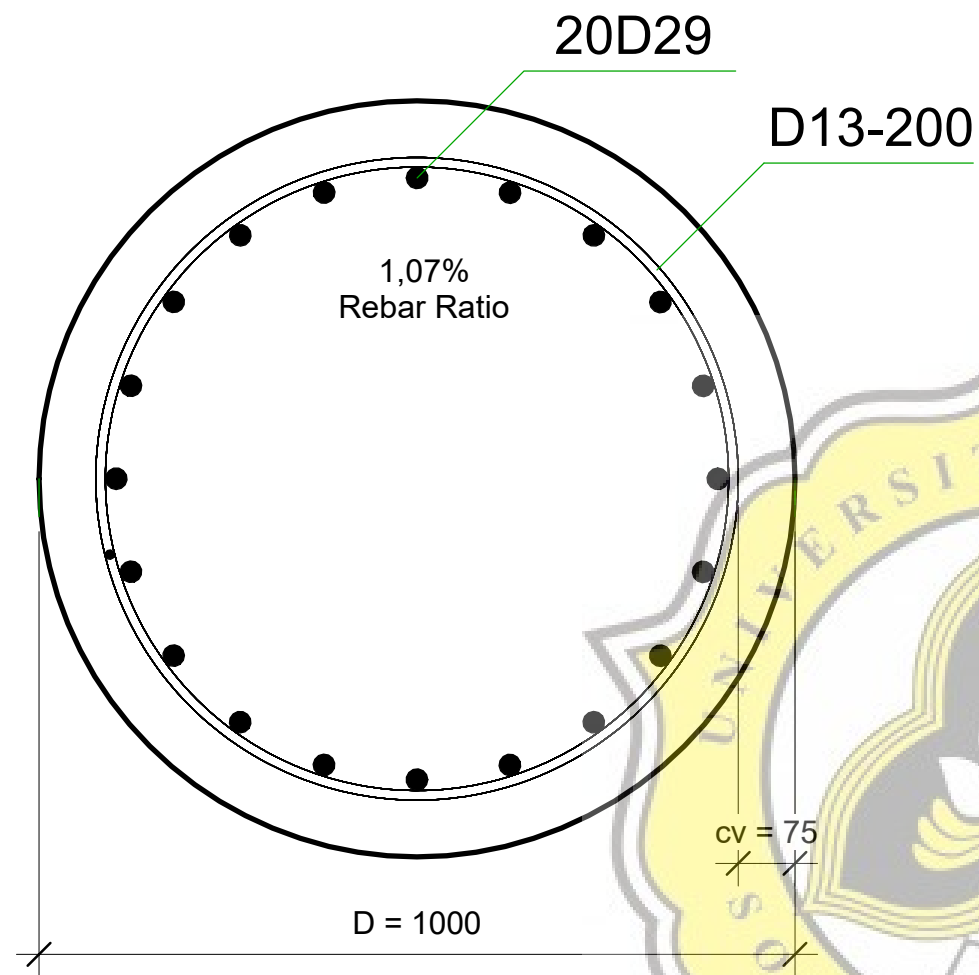
Tugas Akhir
Hotel SS

Detail Tangga Selatan

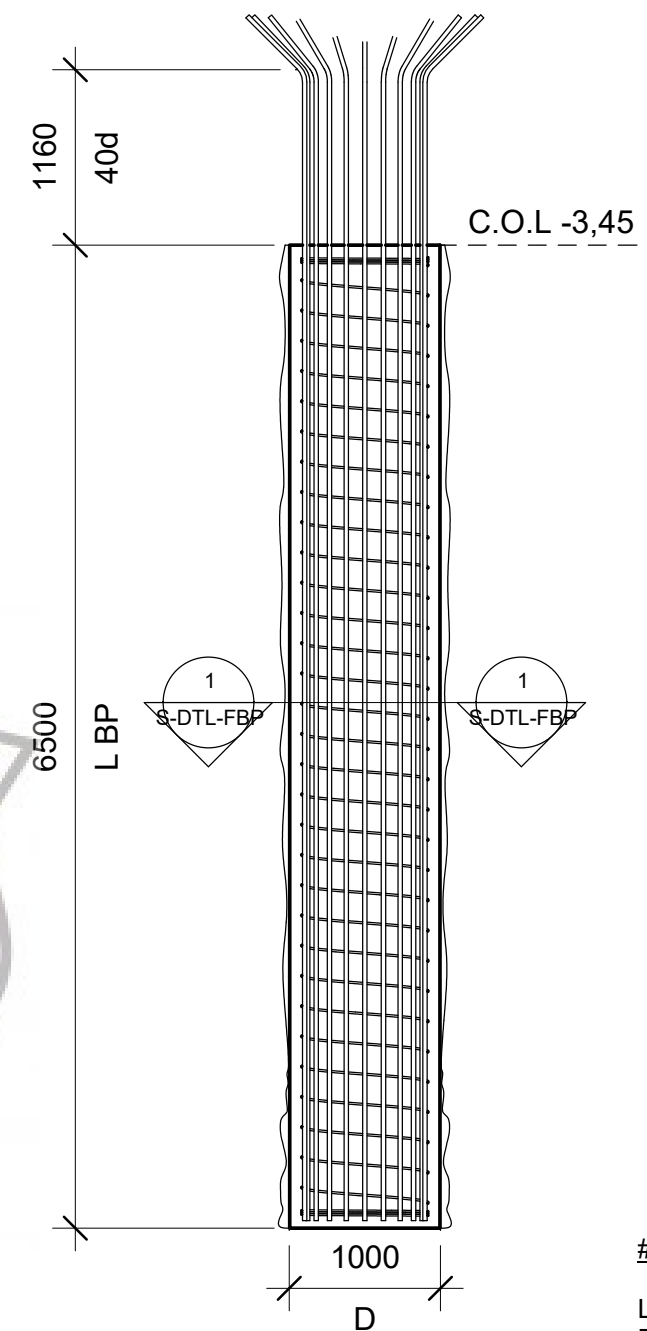
Project number	0002
Date	4 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto, M.T, IPM

S-TG-02

Scale As indicated



1 Potongan BP1
1 : 10



2 Boredpile BP1
1 : 50

Notes

- L = Kedalaman BoredPile
- D = Diameter BoredPile
- cv = Selimut Beton



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Semarang

Description
$f'_c = K 500 (41,5 \text{ MPa})$ $f_y = 400 \text{ MPa}$ $f_{ys} = 240 \text{ MPa}$ Unit for Lengths = millimeters (mm)

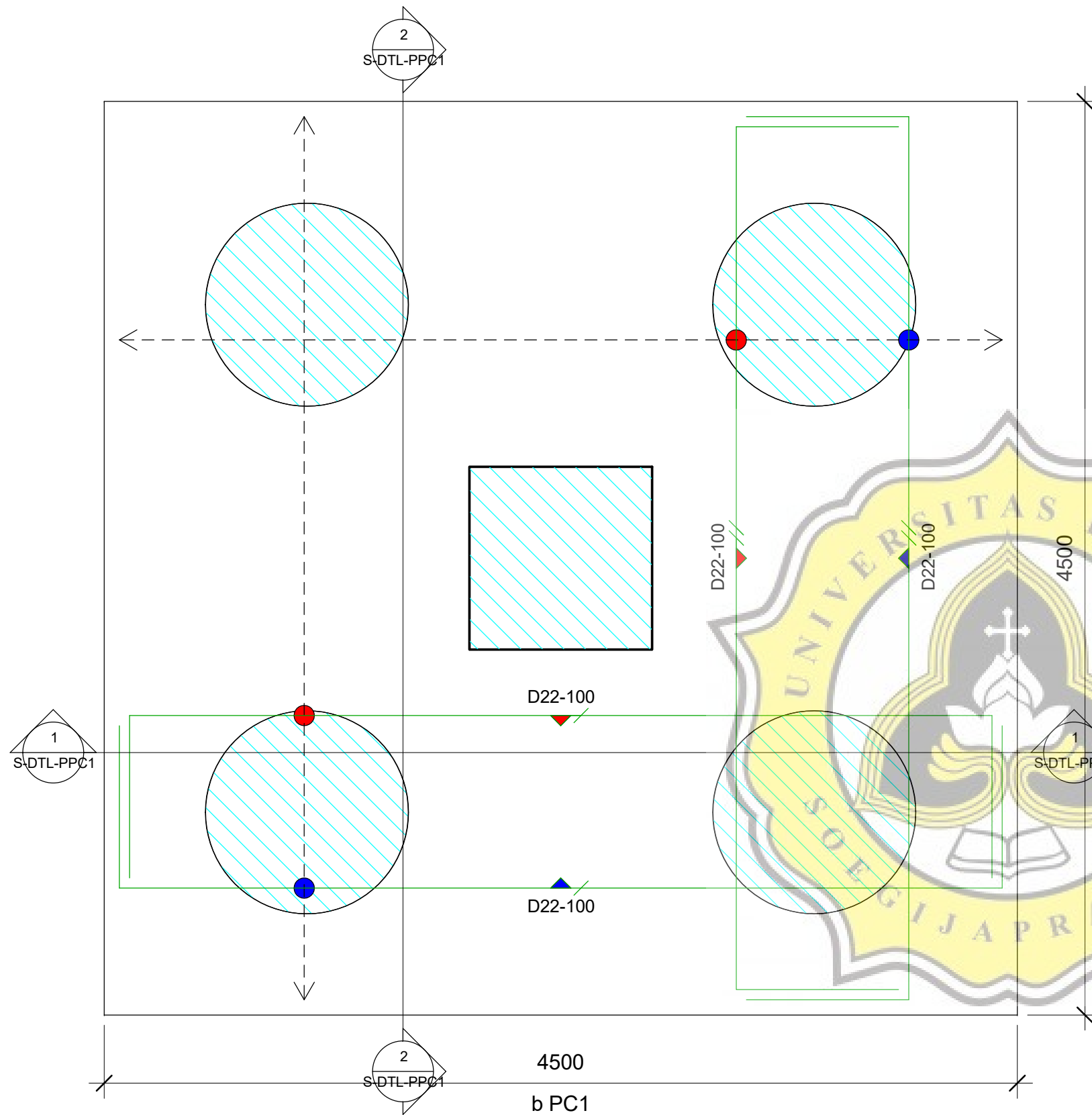
Tugas Akhir
Hotel SS

Detail BoredPile

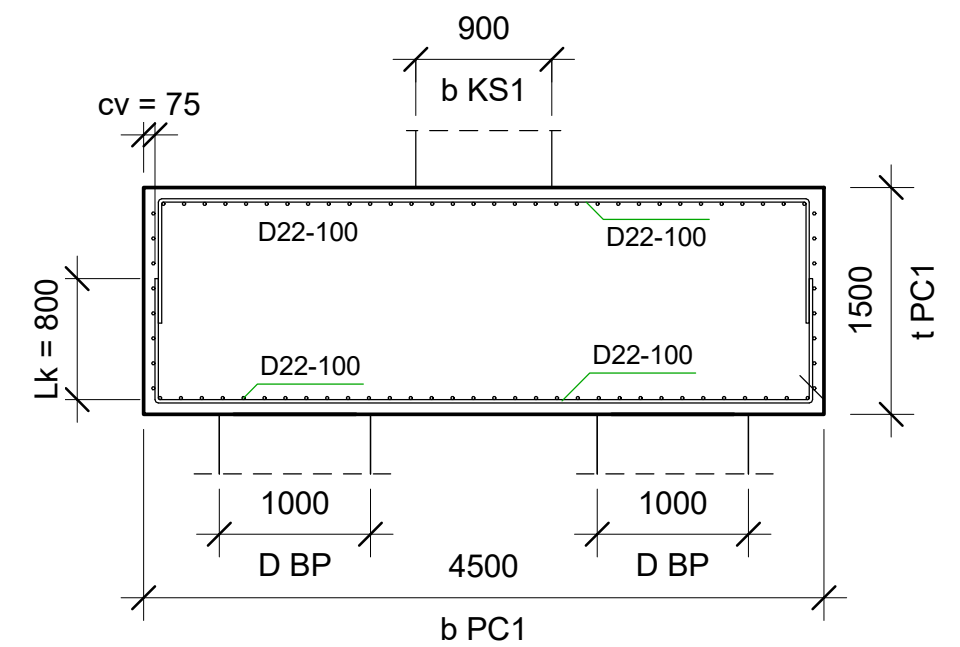
Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno

S-DTL-FBP

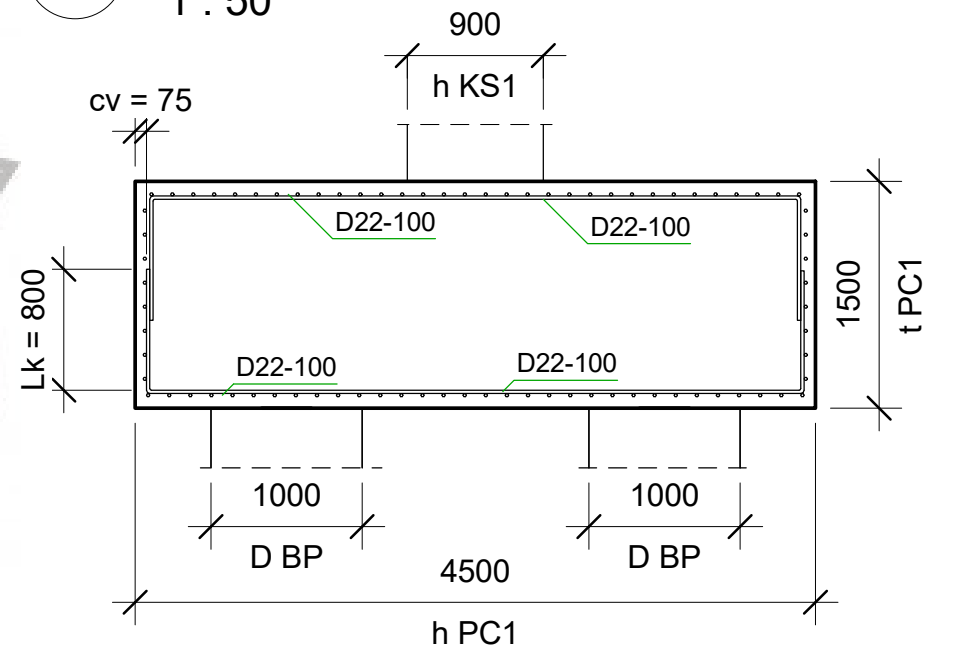
Scale As indicated



PC1 Pilecap PC1
1 : 25



1 PC1x
1 : 50



2 PC1y
1 : 50

Notes

- b = Lebar
- h = Tinggi
- Lk = Panjang Tul. Kait
- t = Tebal
- cv = Selimut Beton



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Universitas Katolik Soegijapranata
Semarang

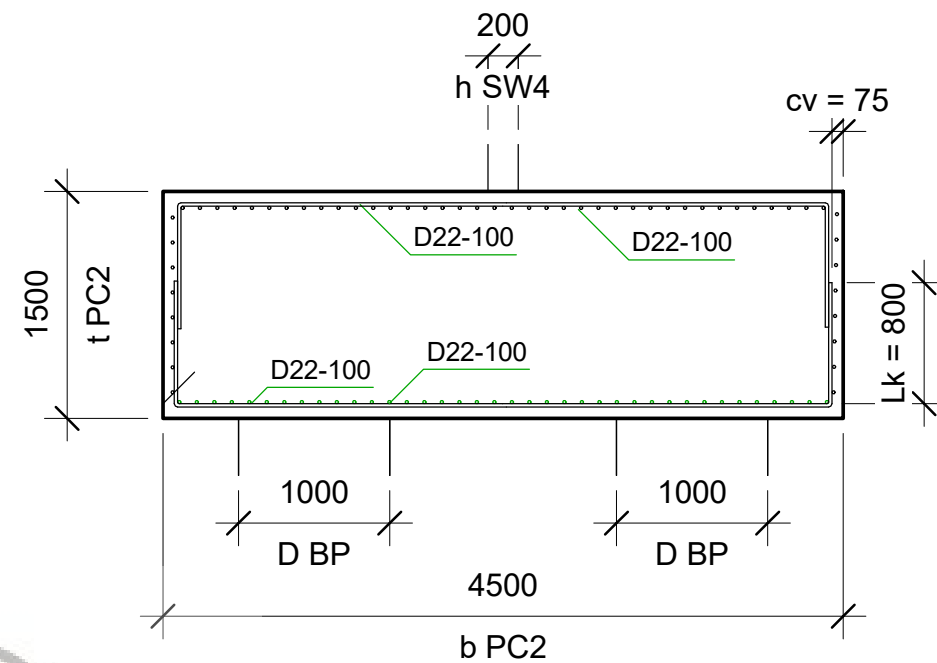
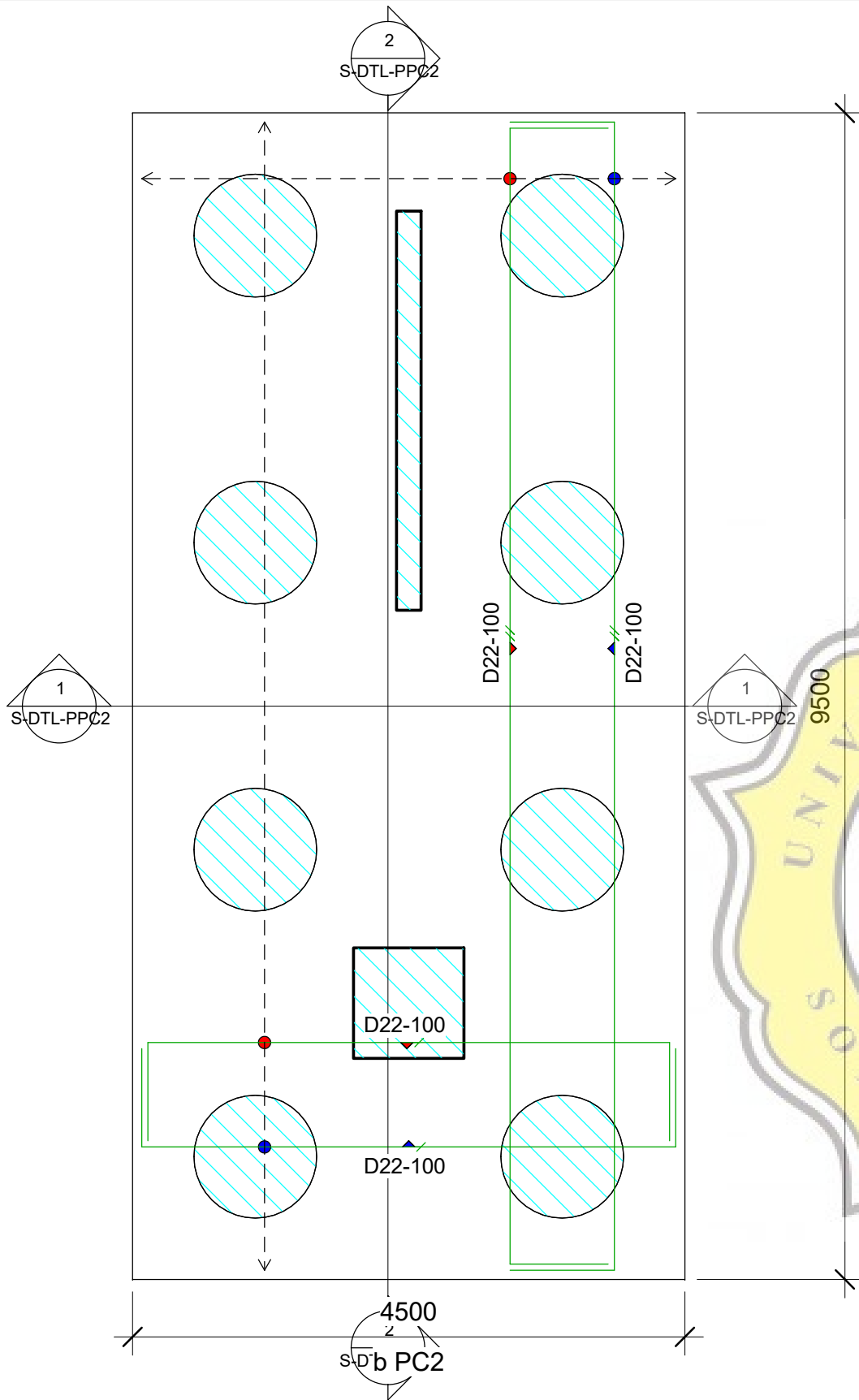
Description
$f'_c = K 400$ (33,2 MPa) $f_y = 400$ MPa $f_{ys} = 240$ MPa Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

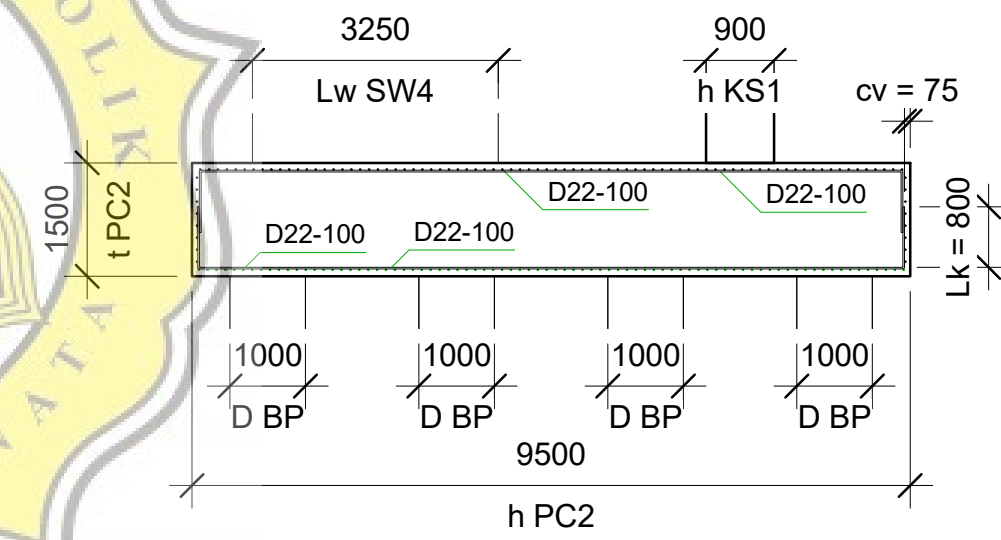
Detail Pilecap PC1	
Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno
S-DTL-PPC1	
Scale	As indicated

PC2 Pilecap PC2

1 : 50



PC2x
1 : 50



PC2y
1 : 100

- # Notes
- b = Lebar
 - h = Tinggi
 - Lk = Panjang Tul. Kait
 - t = Tebal
 - cv = Selimut Beton

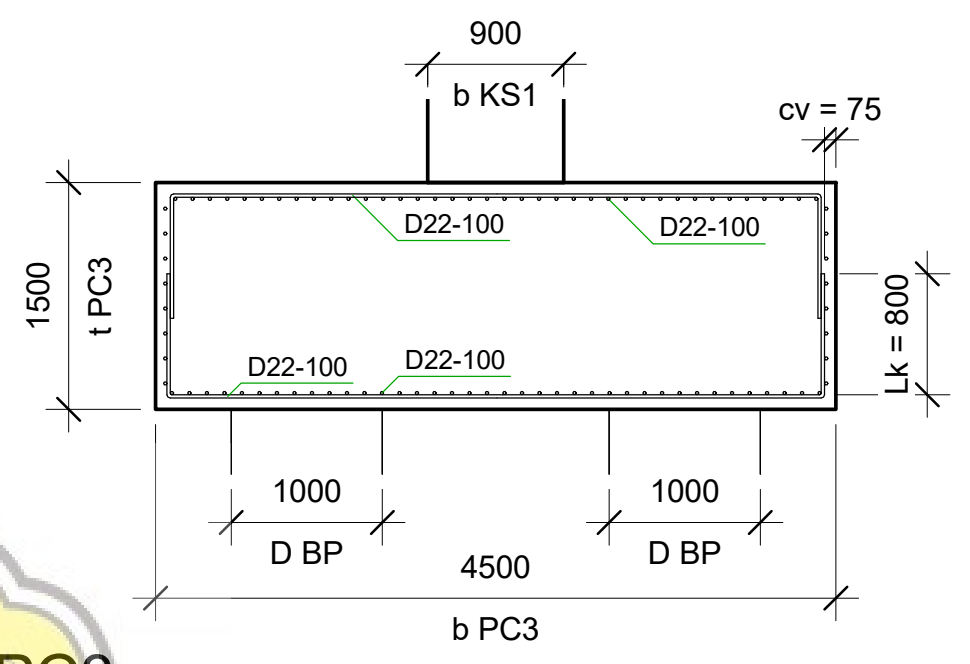
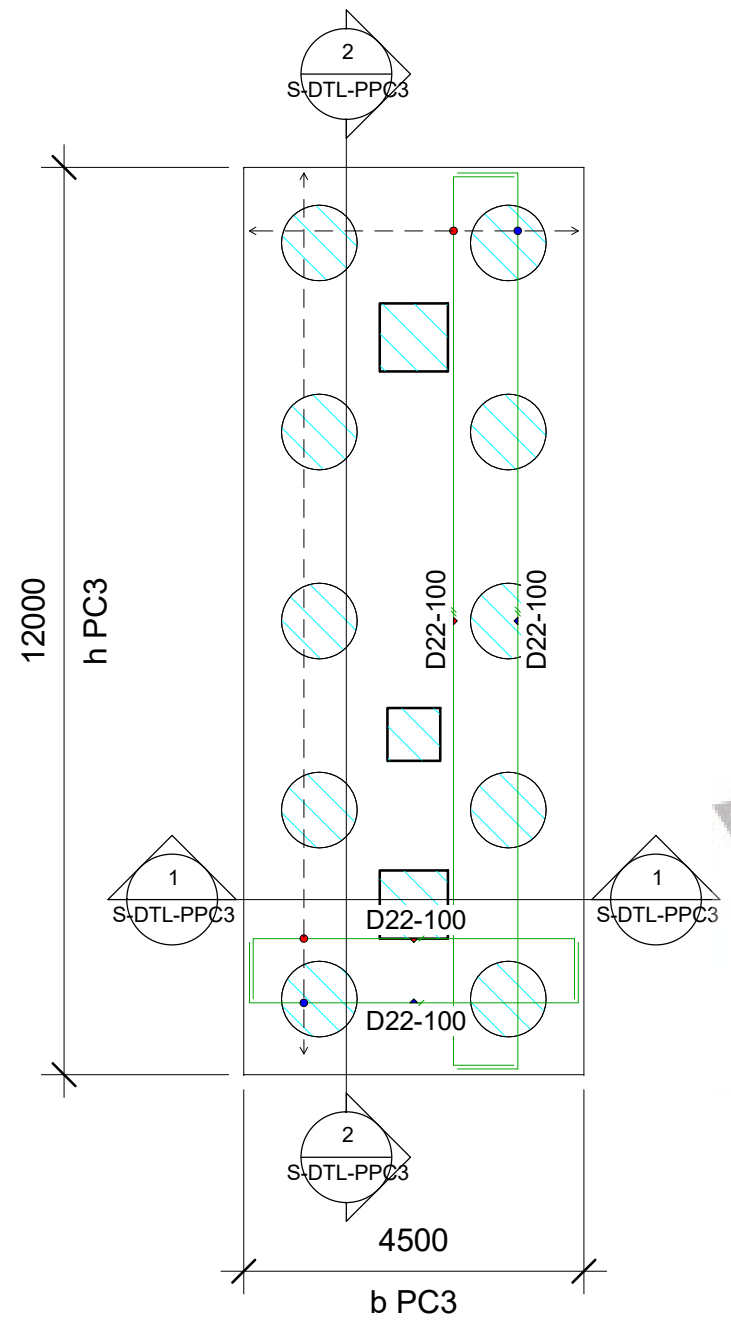


Program Studi Teknik Sipil
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Semarang

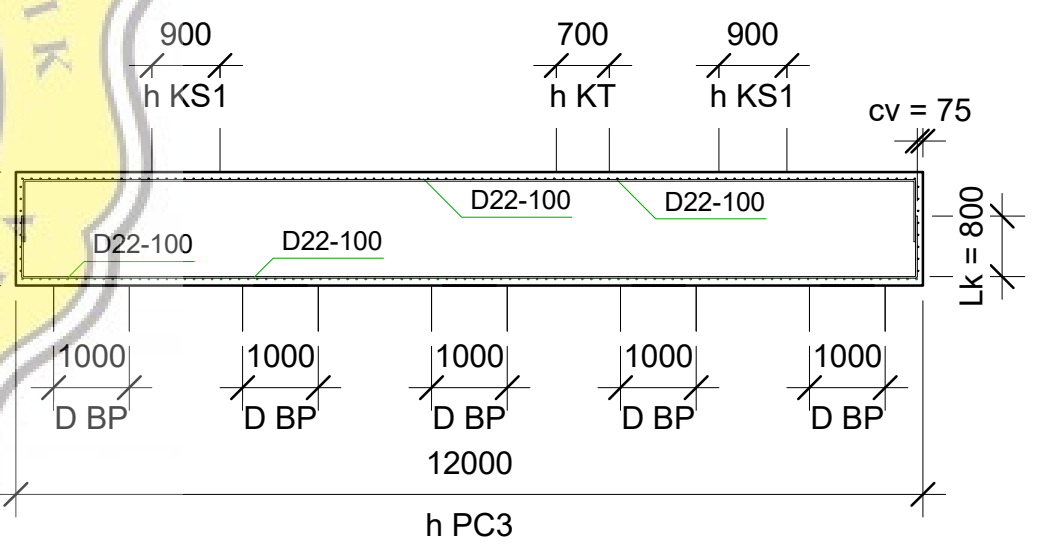
Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

Detail Pilecap PC2		S-DTL-PPC2
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



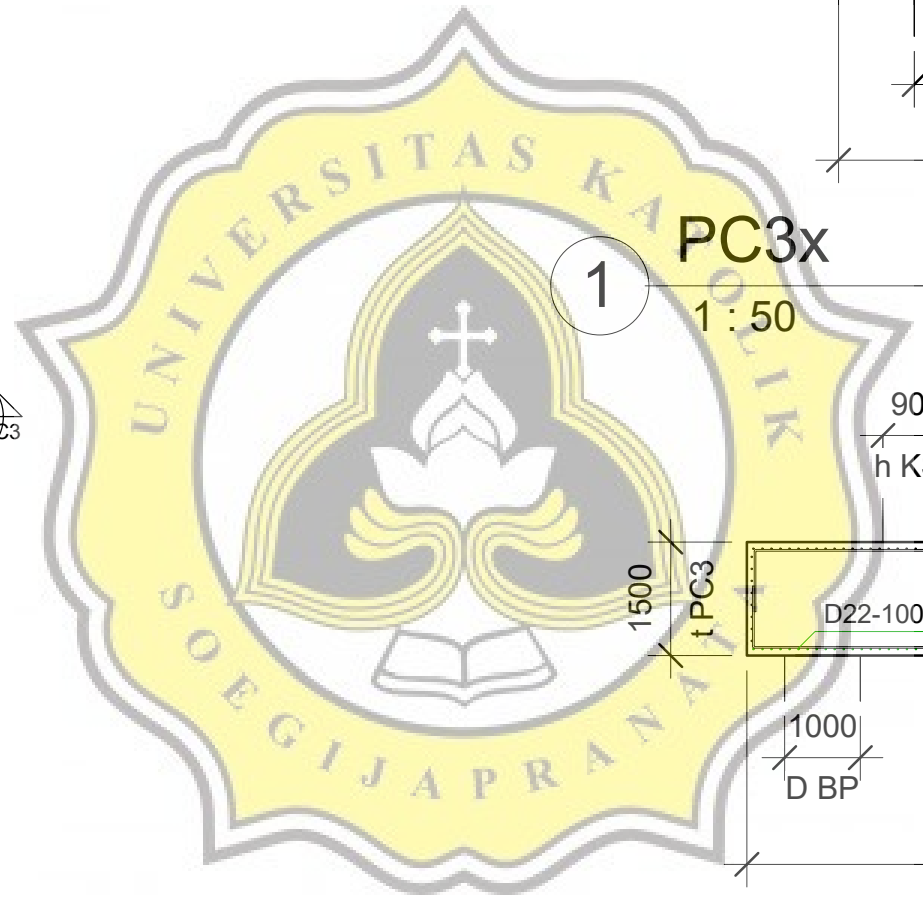
1 PC3x
1 : 50



2 PC3y
1 : 100

PC3 Pilecap PC3
1 : 100

- # Notes
- b = Lebar
 - h = Tinggi
 - Lk = Panjang Tul. Kait
 - t = Tebal
 - cv = Selimut Beton



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Fakultas Teknik

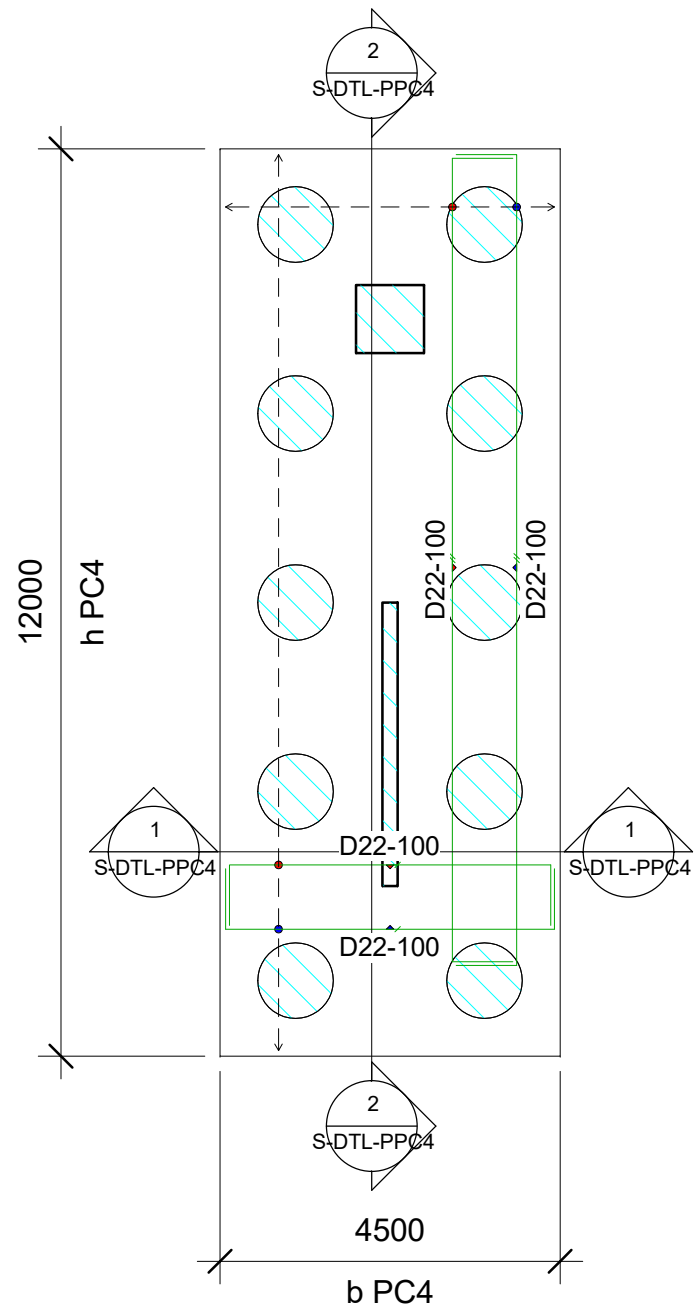
Universitas Katolik Soegijapranata
Semarang

Description
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Tugas Akhir

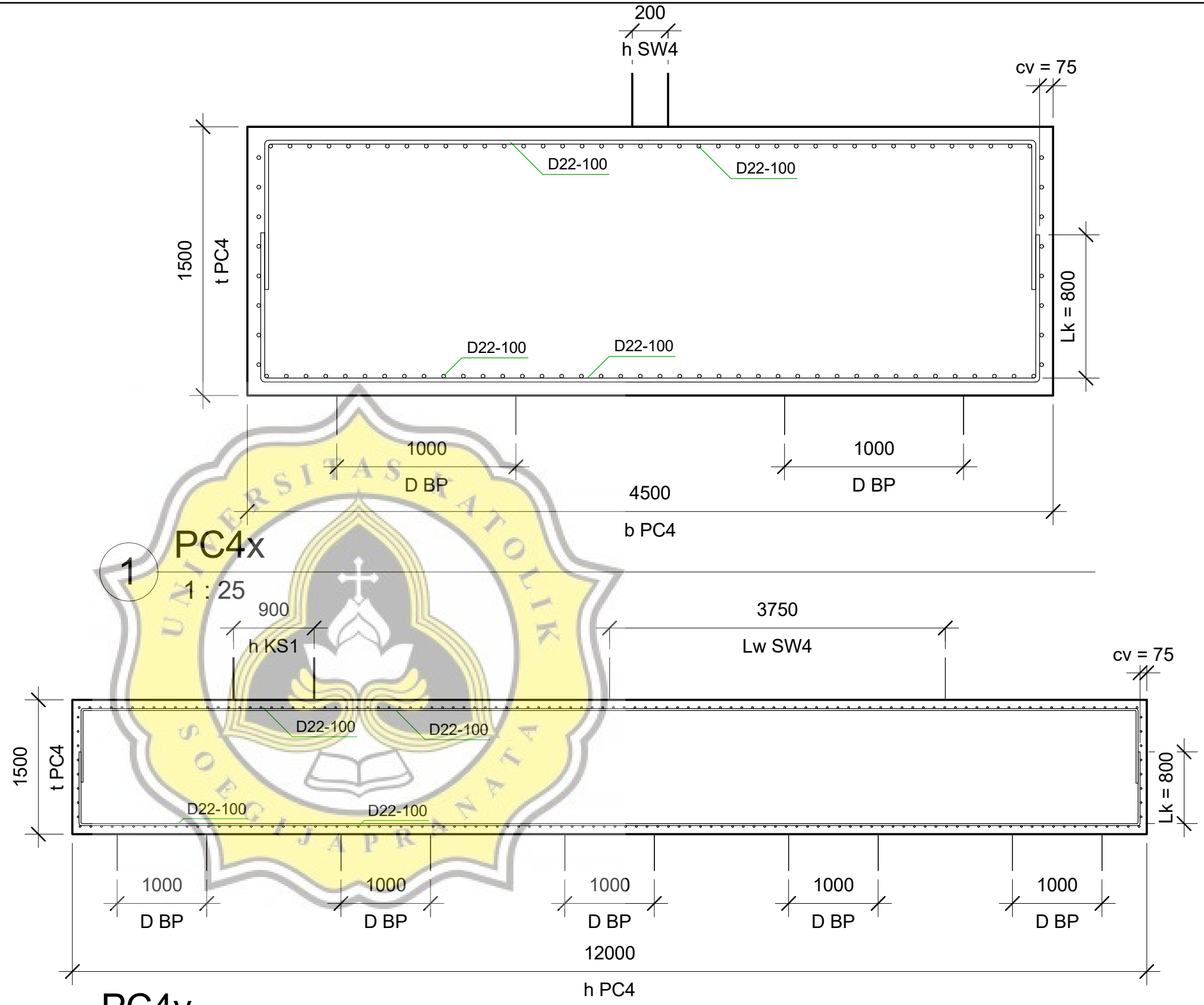
Hotel SS

Detail Pilecap PC3		S-DTL-PPC3
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale		As indicated




PC4 Pilecap PC4
1 : 100

Notes
 b = Lebar
 h = Tinggi
 Lk = Panjang Tul. Kait
 t = Tebal
 cv = Selimut Beton



PC4y
1 : 50

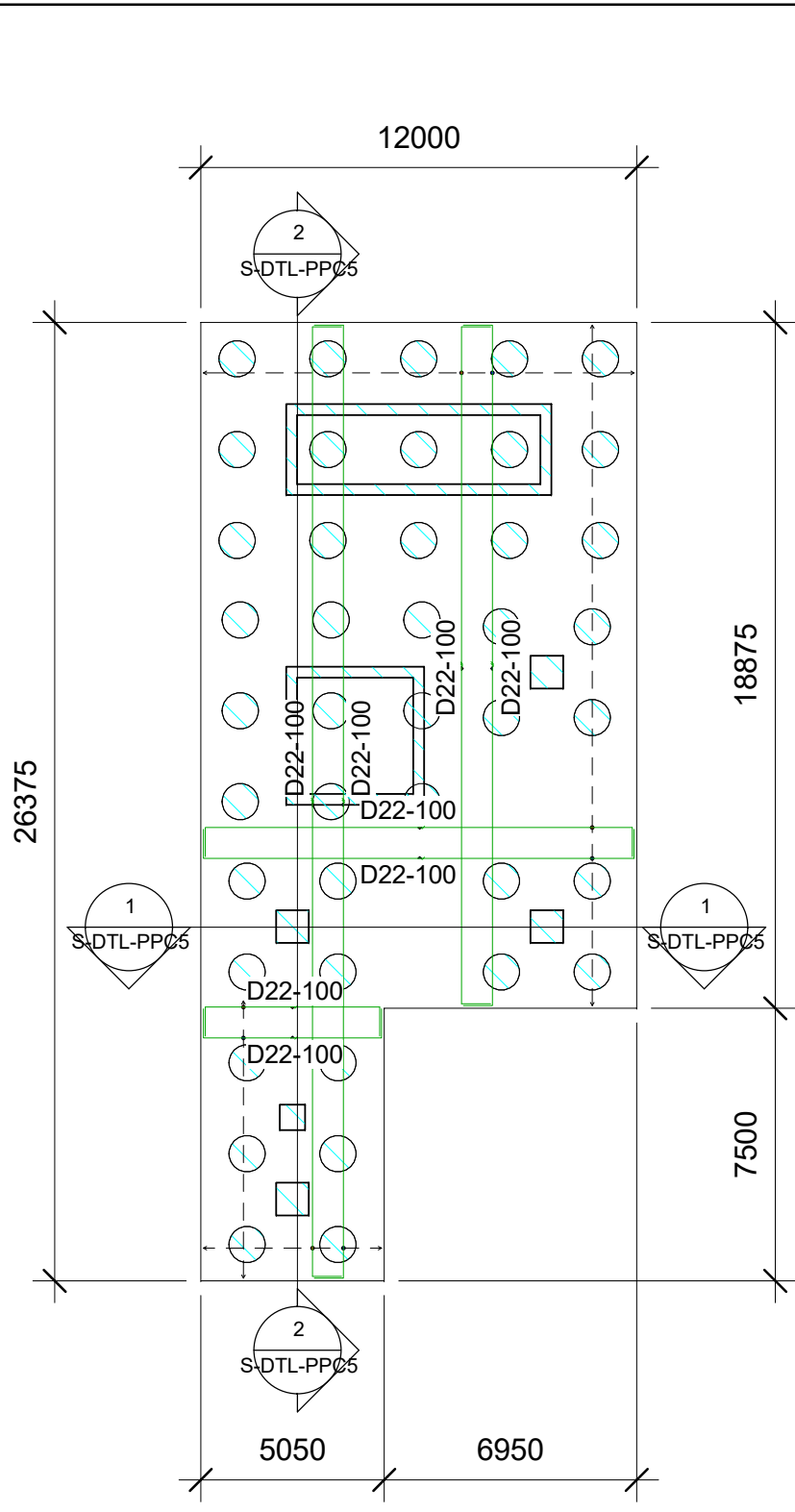


Program Studi Teknik Sipil
 Fakultas Teknik
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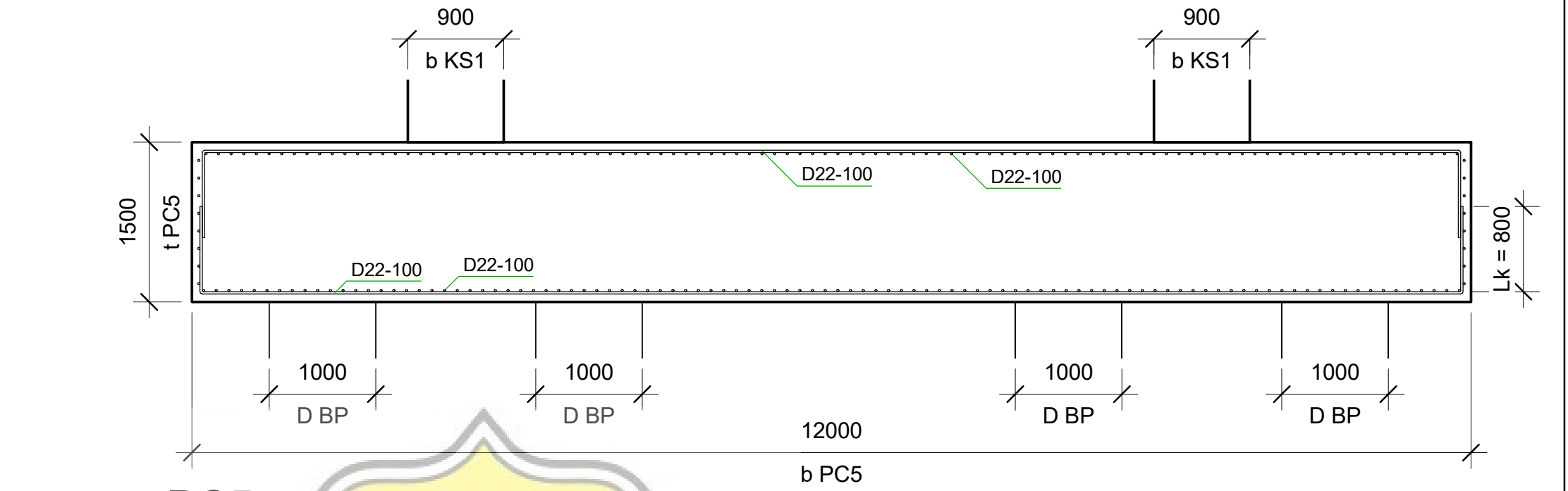
Description
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Tugas Akhir
 Hotel SS

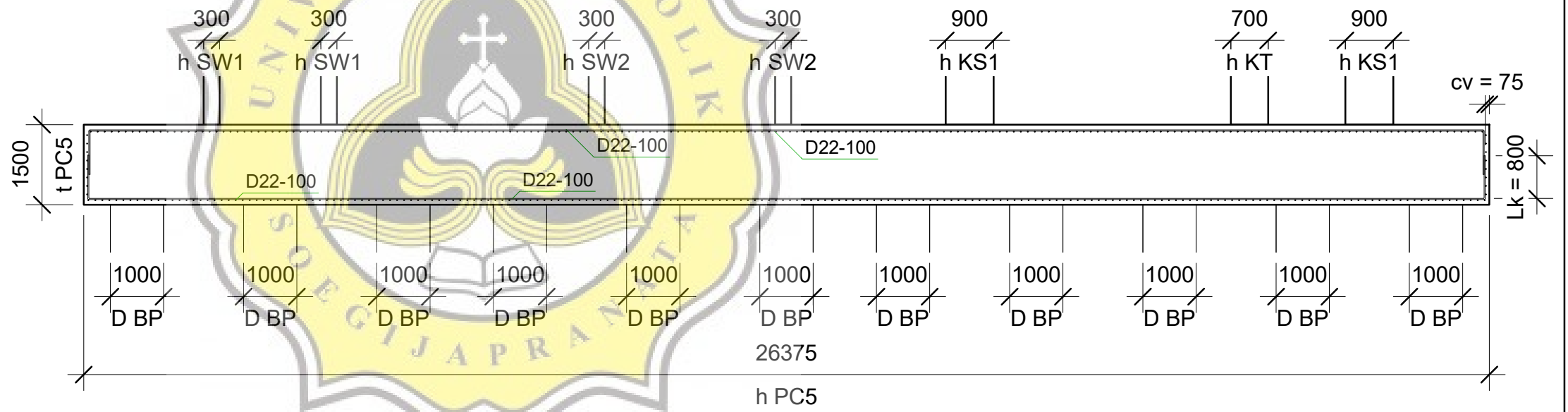
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Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno
S-DTL-PPC4	
Scale	As indicated



PC5 Pilecap PC5
1 : 200



1 PC5x
1 : 50



2 PC5y
1 : 100

- # Notes
- b = Lebar
 - h = Tinggi
 - Lk = Panjang Tul. Kait
 - t = Tebal
 - cv = Selimut Beton



Program Studi Teknik Sipil
Fakultas Teknik

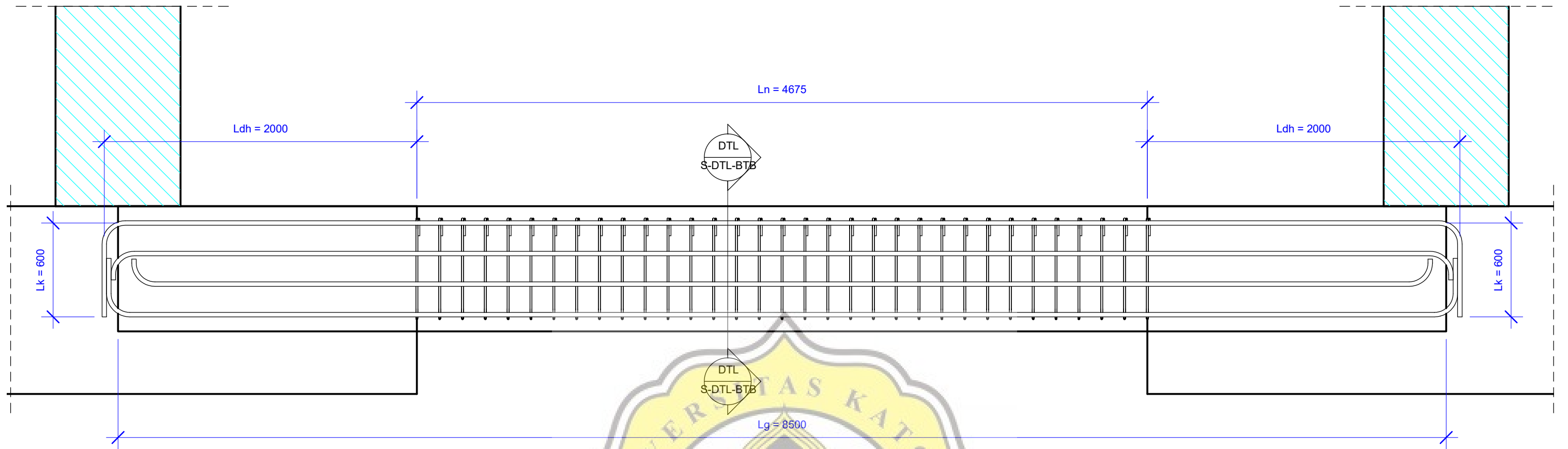
Universitas Katolik Soegijapranata
Semarang

Description
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$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

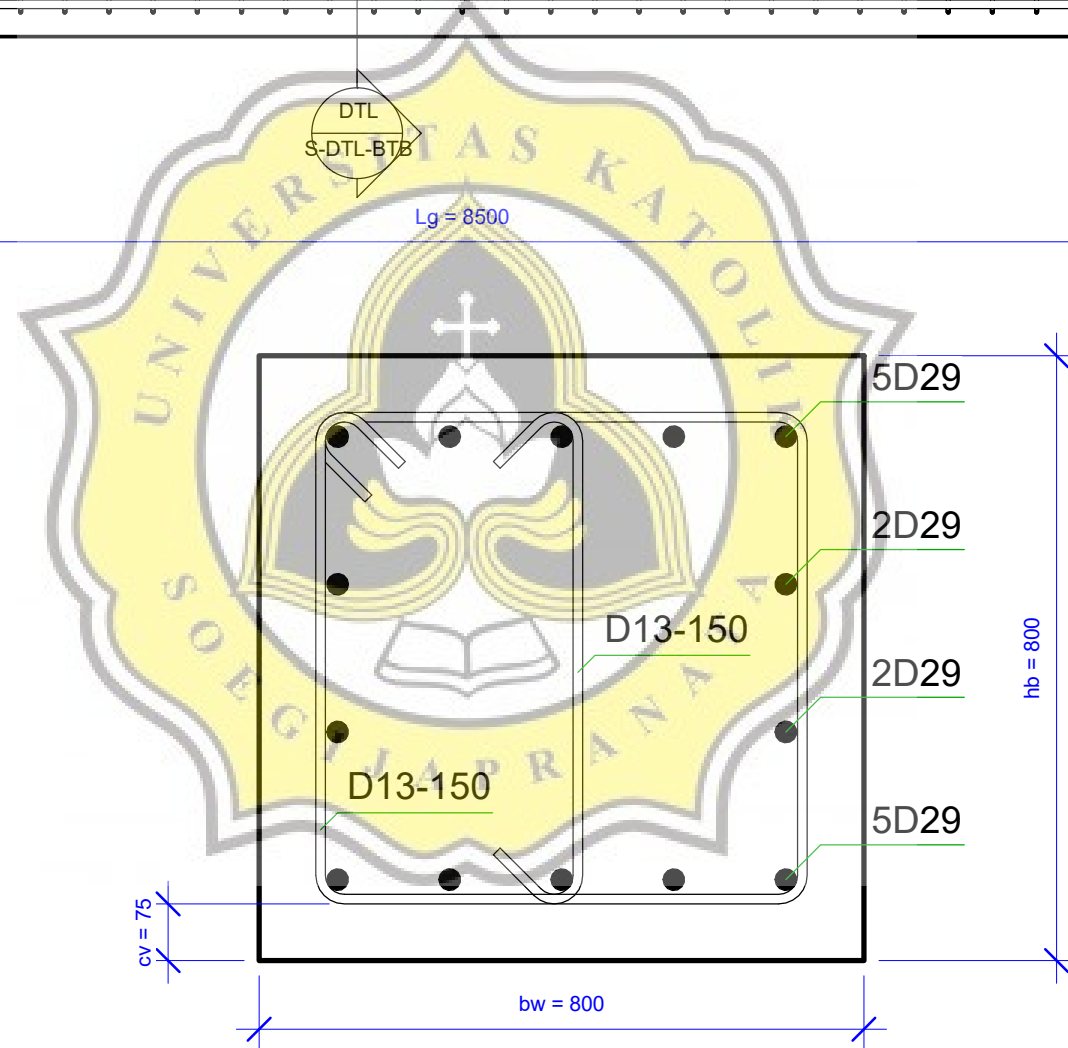
Tugas Akhir

Hotel SS

Detail Pilecap PC5	
Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno
S-DTL-PPC5	
Scale	As indicated



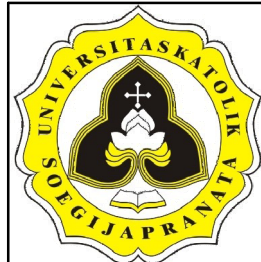
TB TB Potongan
1 : 25



DTL TB DTL
1 : 10

Notes

- Lg = Panjang Gross Balok
- Ln = Panjang Netto Balok
- LT = Panjang Daerah Tumpuan
- LL = Panjang Daerah Lapangan
- Ldh = Panjang Tul. Penjangkaran
- Lk = Panjang Tul. Kait
- Lstk = Panjang Tul. Overlap Bag. Tekan
- Lstr = Panjang Tul. Overlap Bag. Tarik
- hb = Tinggi Balok Keseluruhan
- bw = Lebar Badan Balok
- cv = Selimut Beton

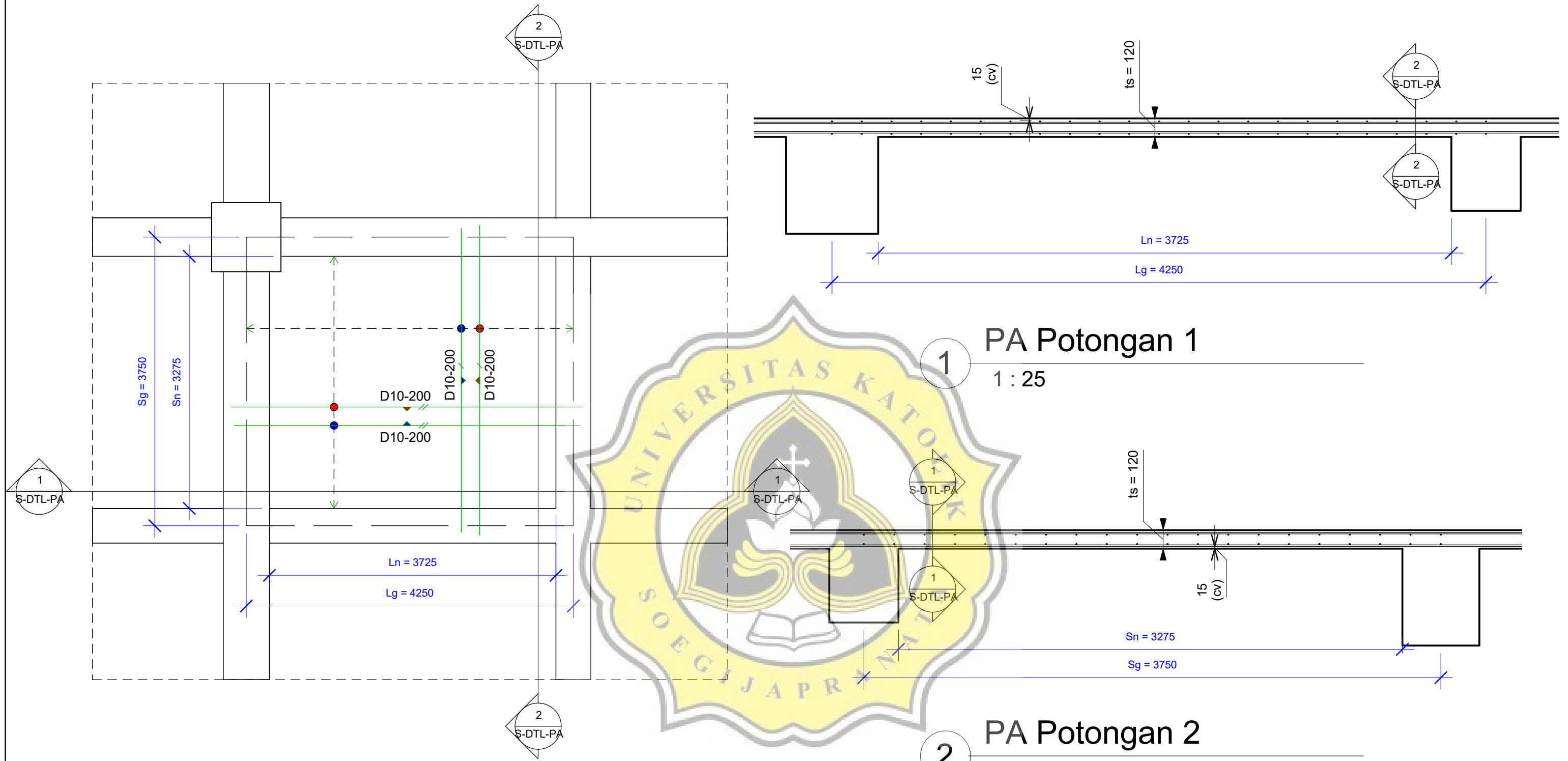


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Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

Detail Balok TB		S-DTL-BTB
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



PA Pelat PA
1 : 50

1 PA Potongan 1
1 : 25

2 PA Potongan 2
1 : 25

- # Notes**
- Lg = Panjang Gross Pelat
 - Ln = Panjang Bersih Pelat
 - Sg = Lebar Gross Pelat
 - Sn = Lebar Bersih Pelat
 - ts = Tebal Pelat
 - cv = Selimut Beton



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Fakultas Teknik

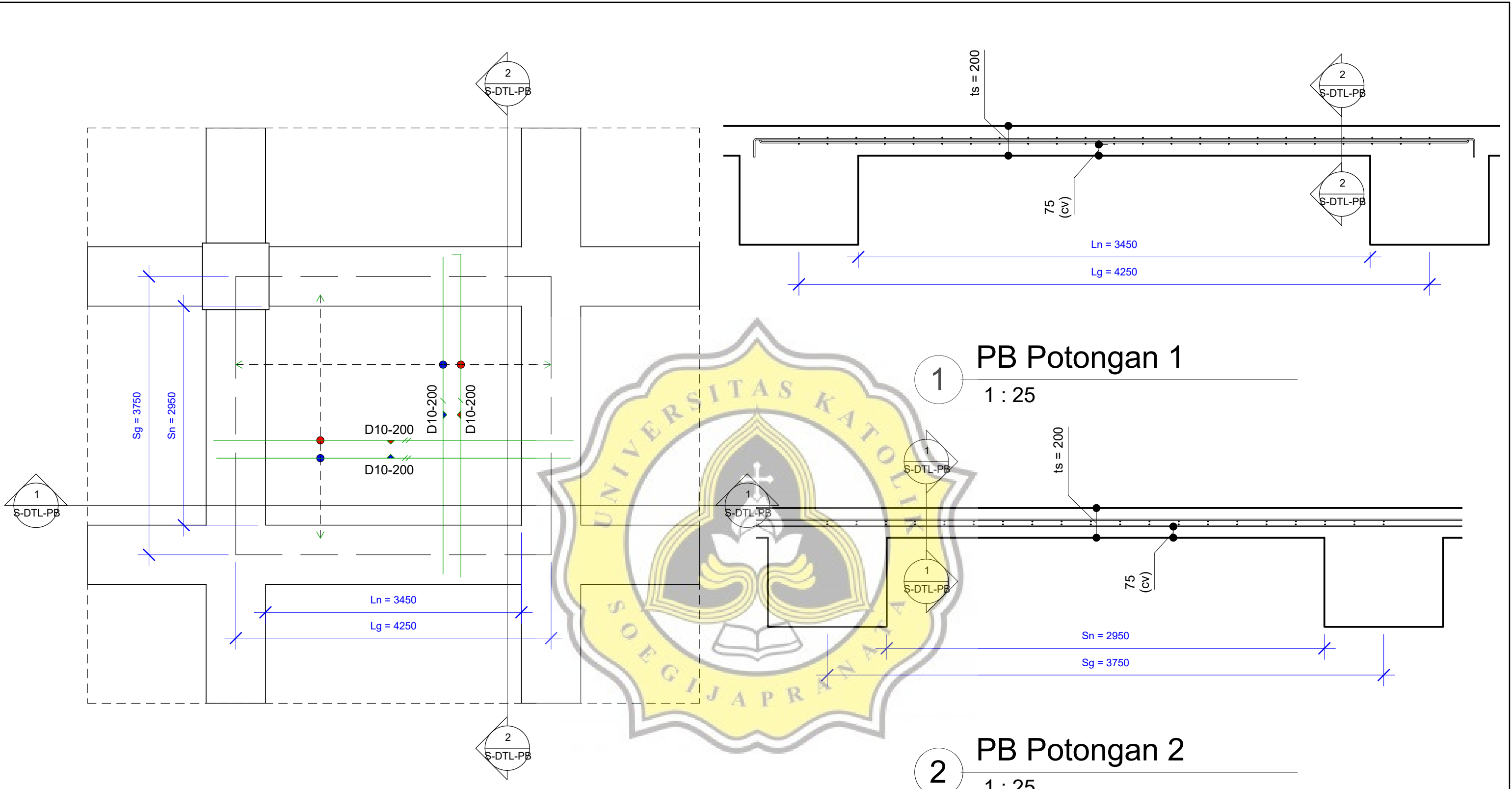
Universitas Katolik Soegijapranata
Semarang

Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir

Hotel SS

Detail Pelat PA		S-DTL-PA
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



PB Pelat PB
1 : 50

1 PB Potongan 1
1 : 25

2 PB Potongan 2
1 : 25

- # Notes
- Lg = Panjang Gross Pelat
 - Ln = Panjang Bersih Pelat
 - Sg = Lebar Gross Pelat
 - Sn = Lebar Bersih Pelat
 - ts = Tebal Pelat
 - cv = Selimut Beton

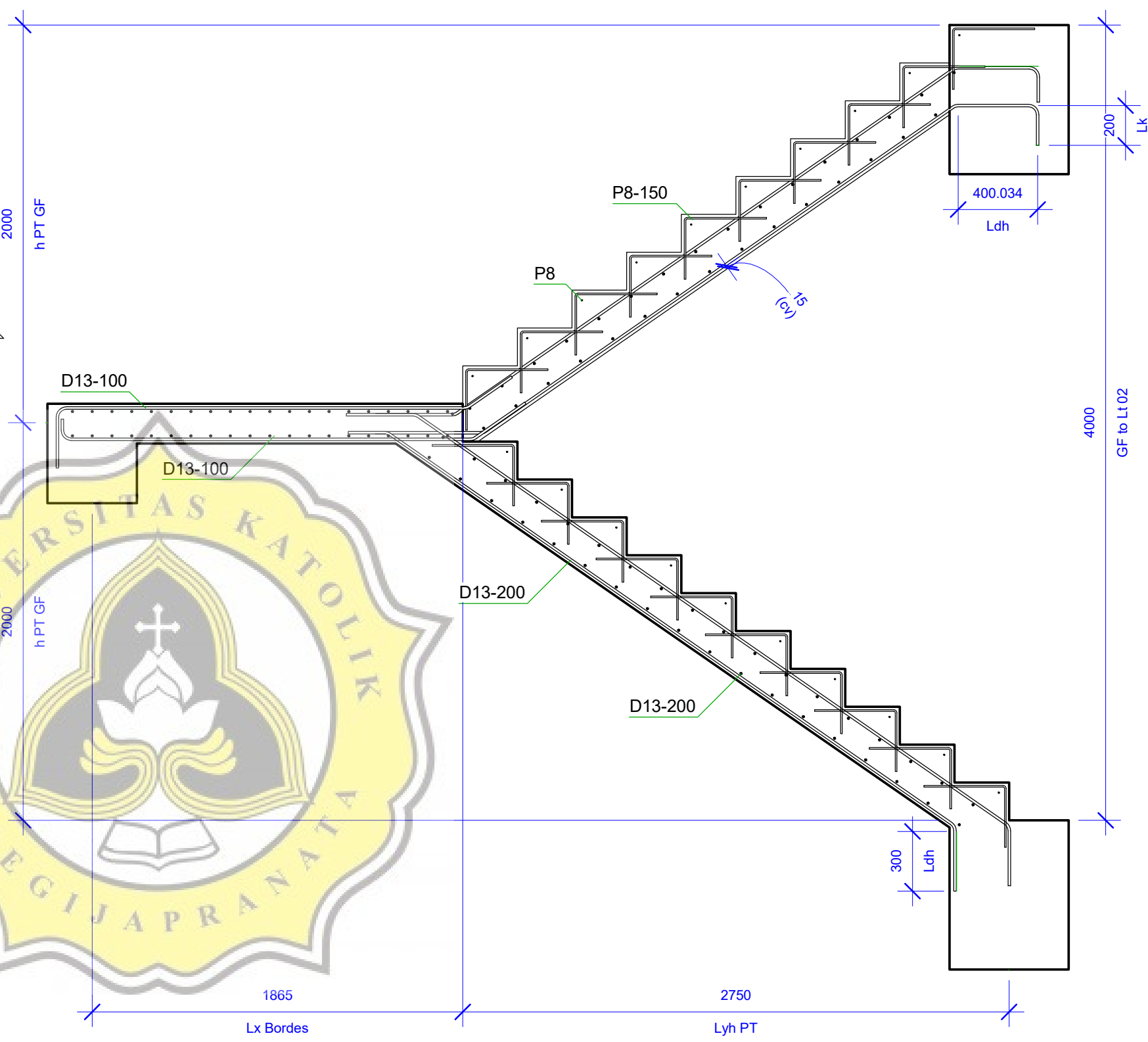
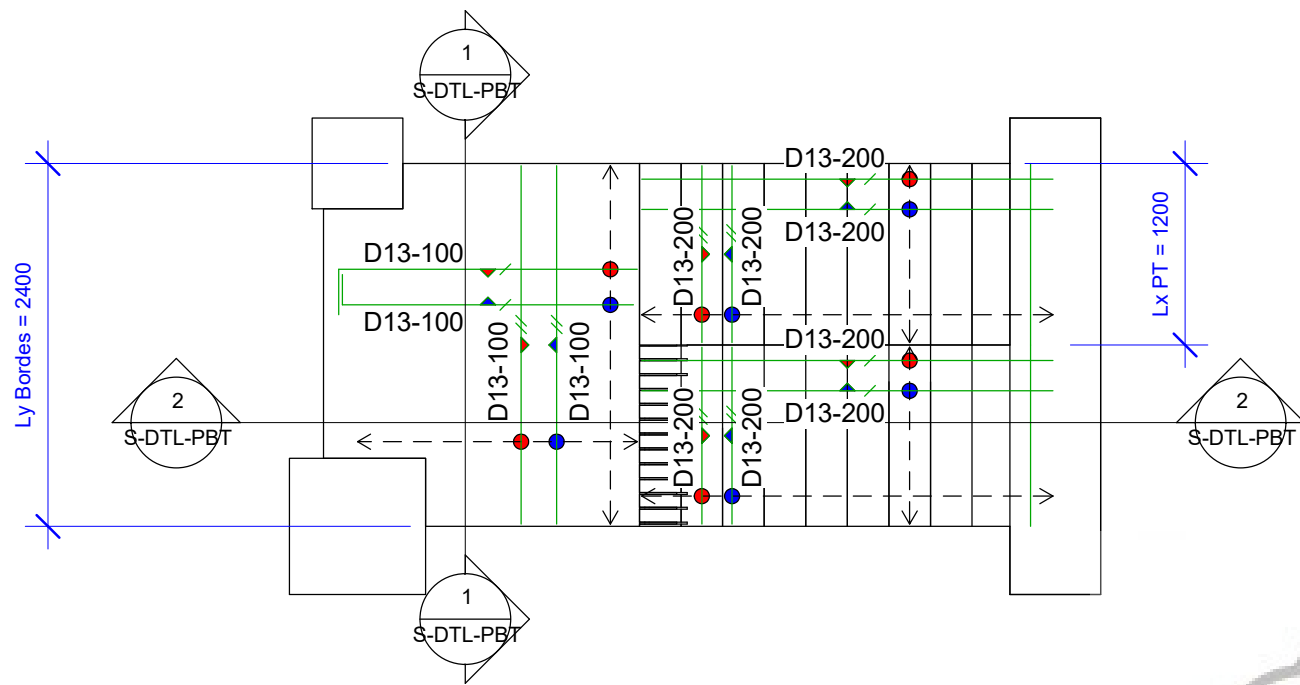


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Semarang

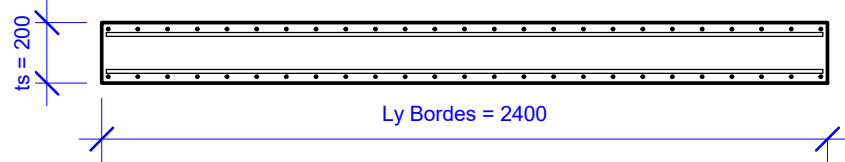
Description
$f'_c = K 400 (33,2 \text{ MPa})$ $f_y = 400 \text{ MPa}$ $f_{ys} = 240 \text{ MPa}$ Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

Detail Pelat PB		S-DTL-PB
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



PBT P Bor dan PT
1 : 50



1 P Bor Potongan
1 : 25

2 P Bor + PT Potongan
1 : 25

Notes

- Lx = Lebar Pelat
- Ly = Panjang Pelat
- Ldh = Panjang Tul. Penyaluran
- ts = Tebal Pelat
- cv = Selimut Beton

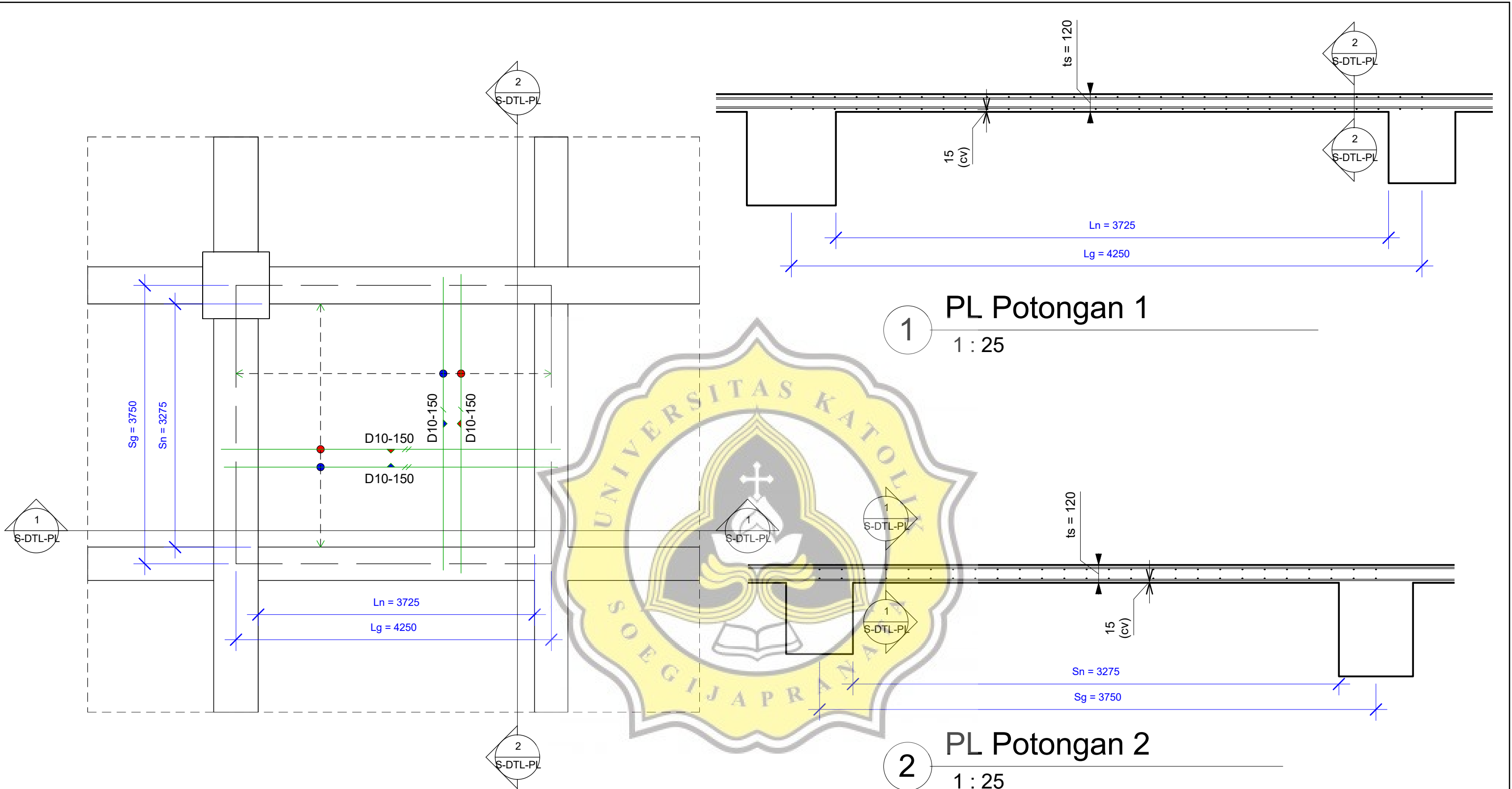


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Universitas Katolik Soegijapranata
Semarang

Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

Detail Pelat P Bor dan PT		S-DTL-PBT
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauwi Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



PL Pelat PL
1 : 50

1 PL Potongan 1
1 : 25

2 PL Potongan 2
1 : 25

- # Notes
- Lg = Panjang Gross Pelat
 - Ln = Panjang Bersih Pelat
 - Sg = Lebar Gross Pelat
 - Sn = Lebar Bersih Pelat
 - ts = Tebal Pelat
 - cv = Selimut Beton



Program Studi Teknik Sipil
Fakultas Teknik

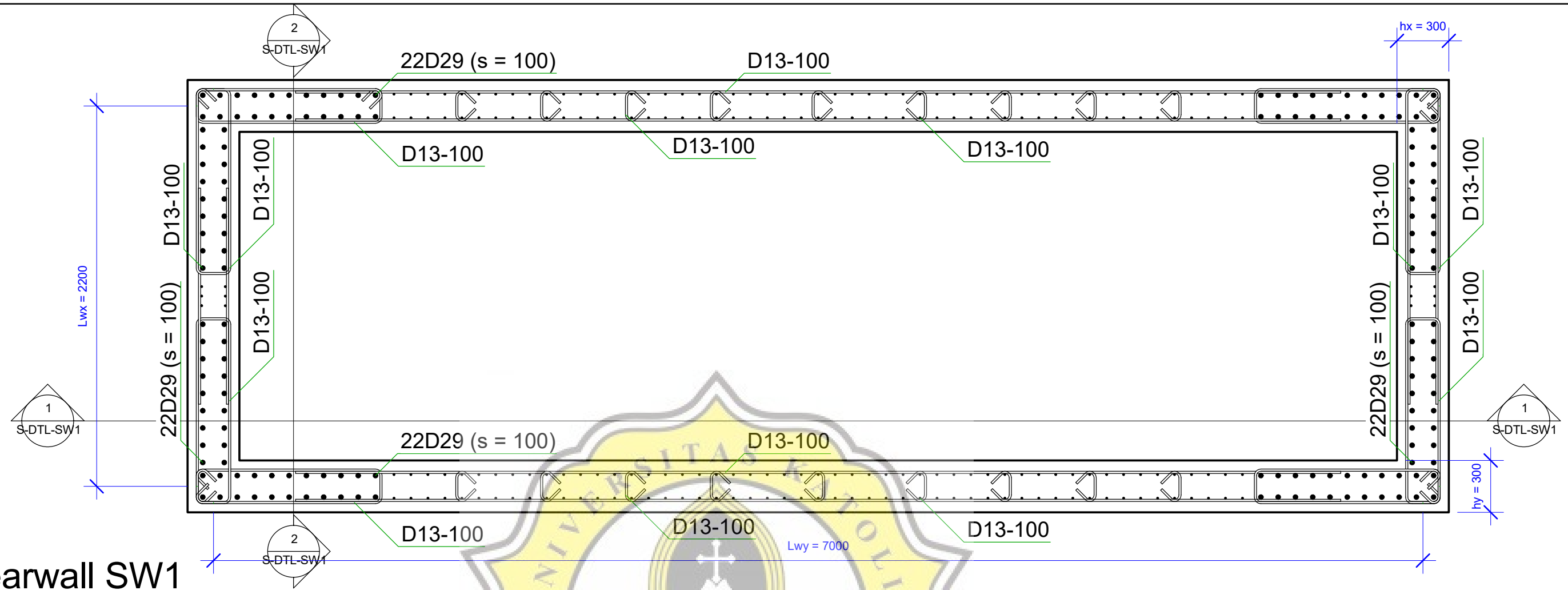
Universitas Katolik Soegijapranata
Semarang

Description
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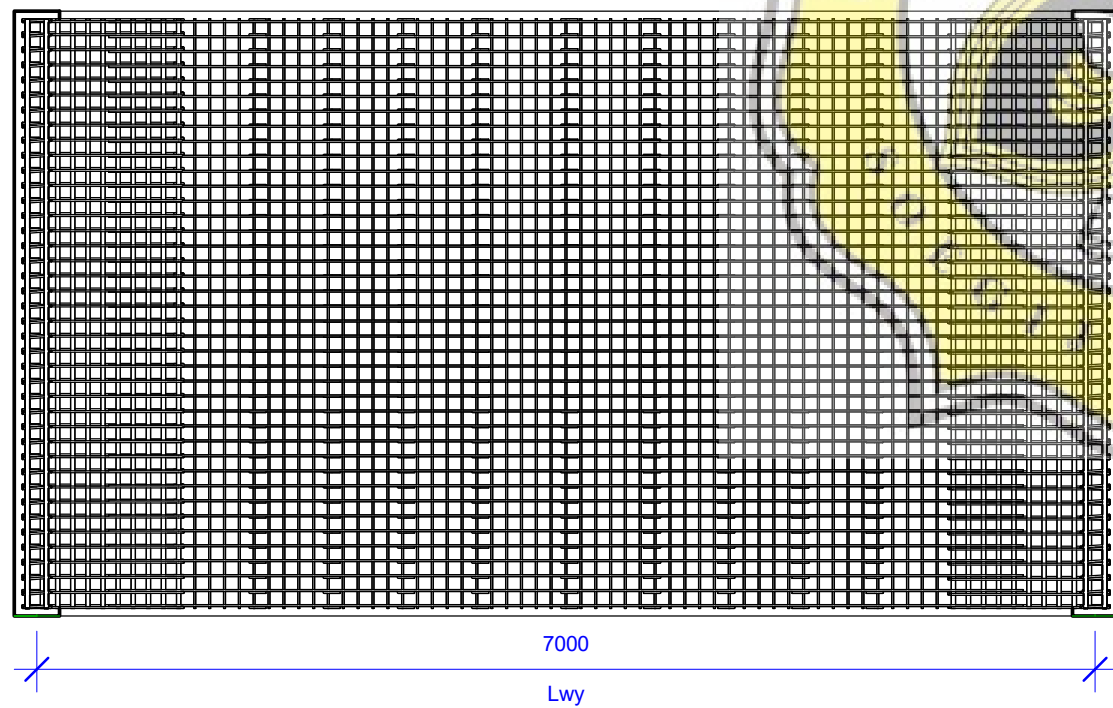
Tugas Akhir

Hotel SS

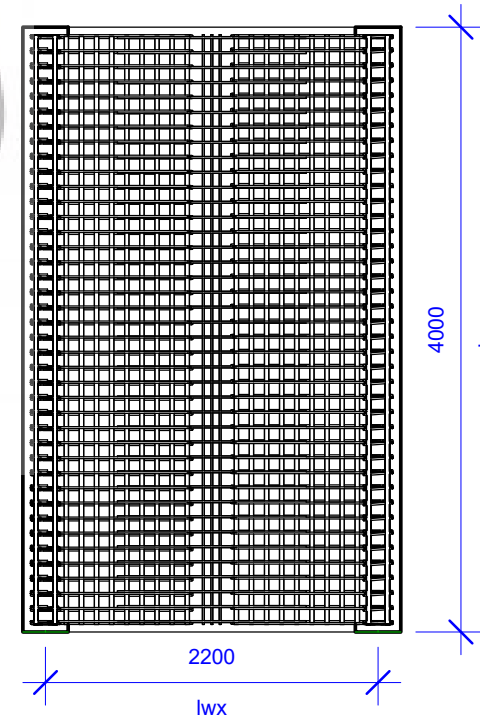
Detail Pelat PL		S-DTL-PL
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



SW1 Shearwall SW1
1 : 25



1 SW1x
1 : 50



2 SW1y
1 : 50

Notes

- Lw = Panjang Dinding Geser
- hw = Tinggi Dinding Geser
- h = Tebal Dinding Geser
- cv = Selimut Beton



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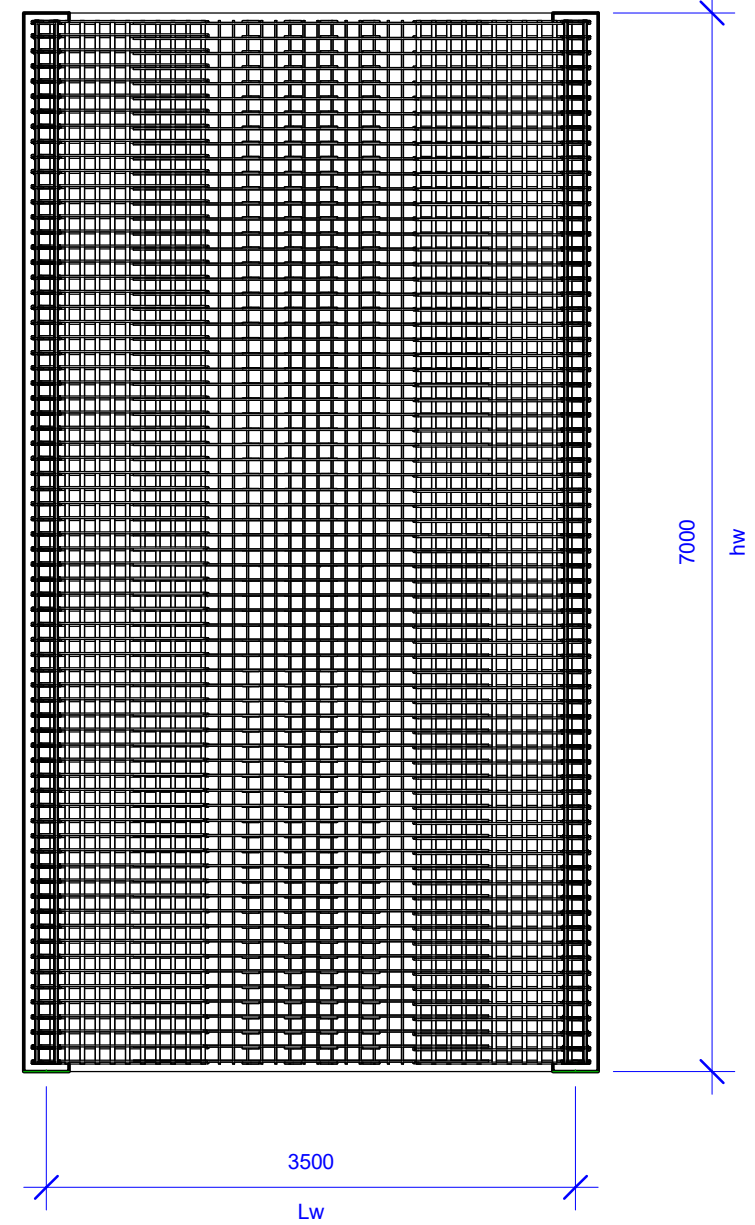
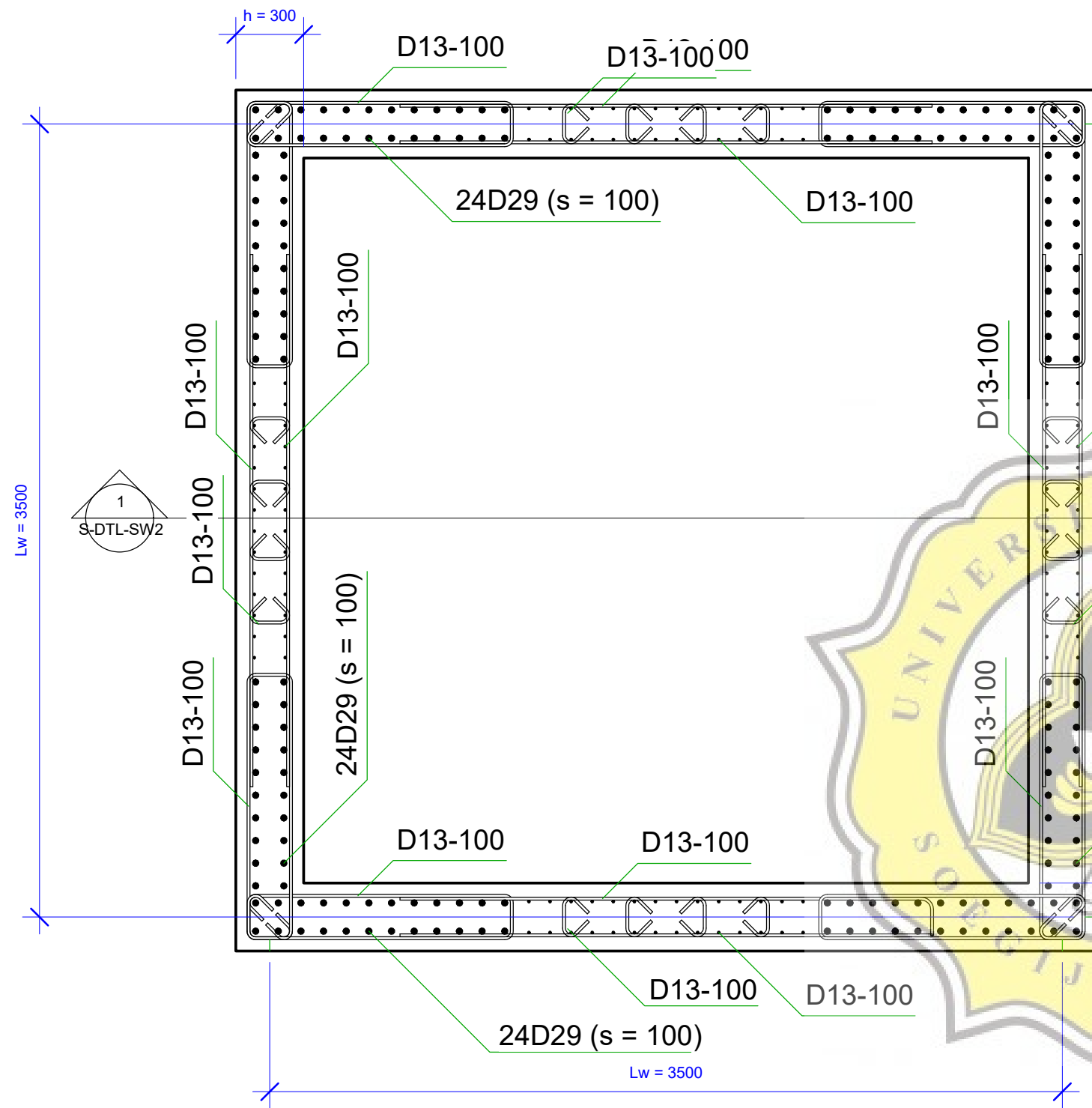
Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

Detail Shearwall SW1

Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno

S-DTL-SW1	
Scale	As indicated



SW2 Shearwall SW2
1 : 25

1 SW2x
1 : 50

Notes

- Lw = Panjang Dinding Geser
- hw = Tinggi Dinding Geser
- h = Tebal Dinding Geser
- cv = Selimut Beton

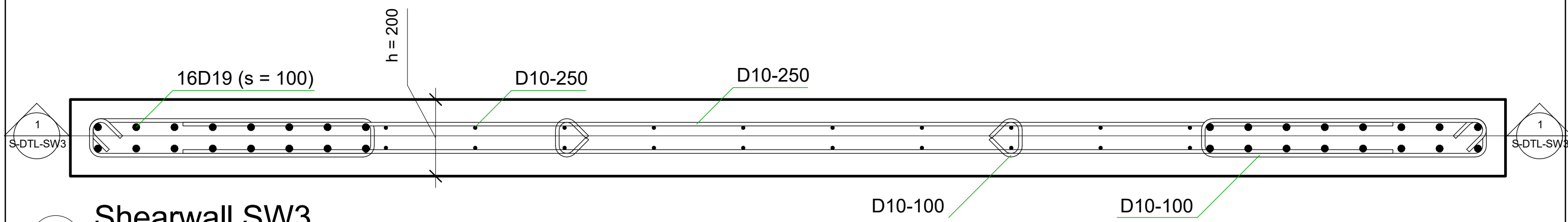


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Semarang

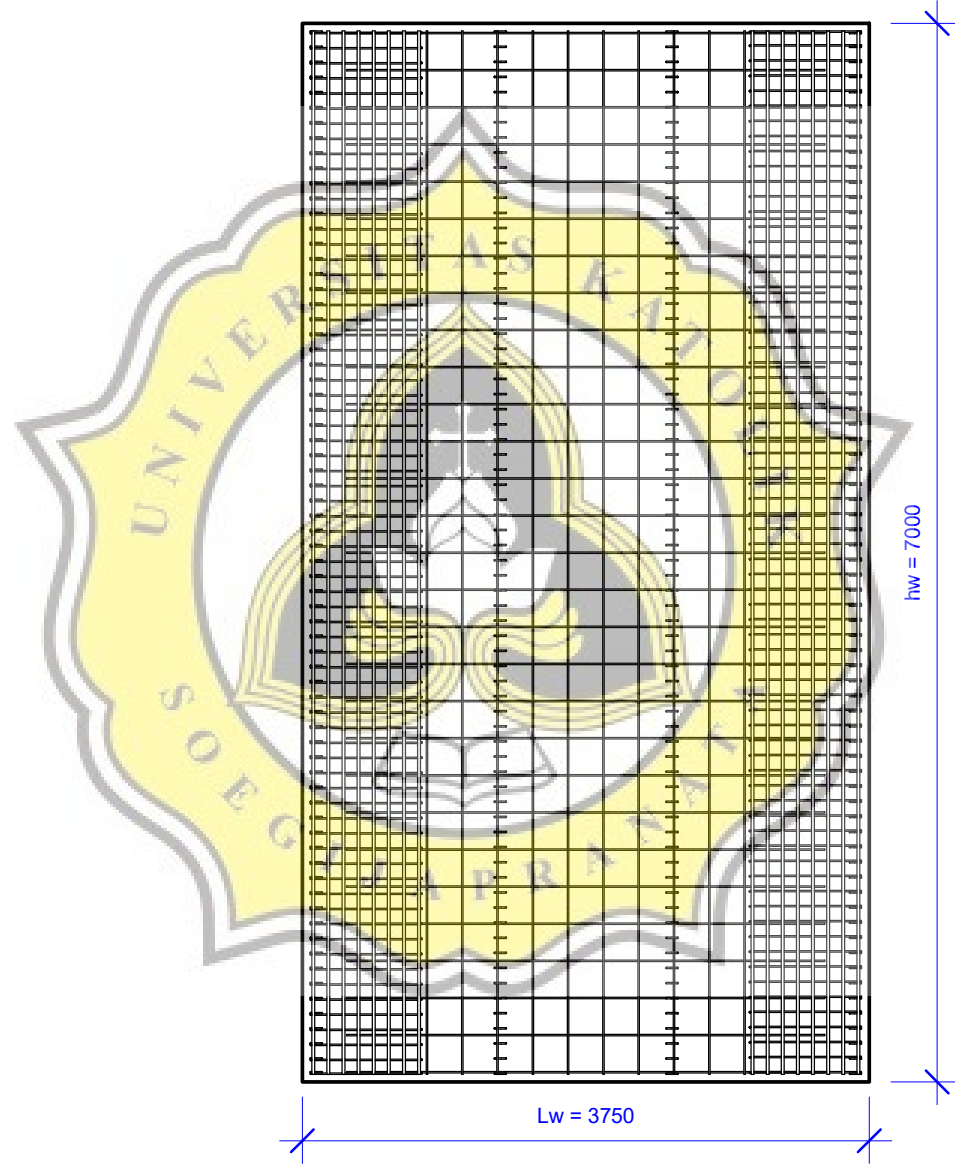
Description
$f'_c = K 400 (33,2 \text{ MPa})$ $f_y = 400 \text{ MPa}$ $f_{ys} = 240 \text{ MPa}$ Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

Detail Shearwall SW2		S-DTL-SW2
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	




SW3 Shearwall SW3
1 : 10



SW3x
1 : 50

Notes
 Lw = Panjang Dinding Geser
 hw = Tinggi Dinding Geser
 h = Tebal Dinding Geser
 cv = Selimut Beton



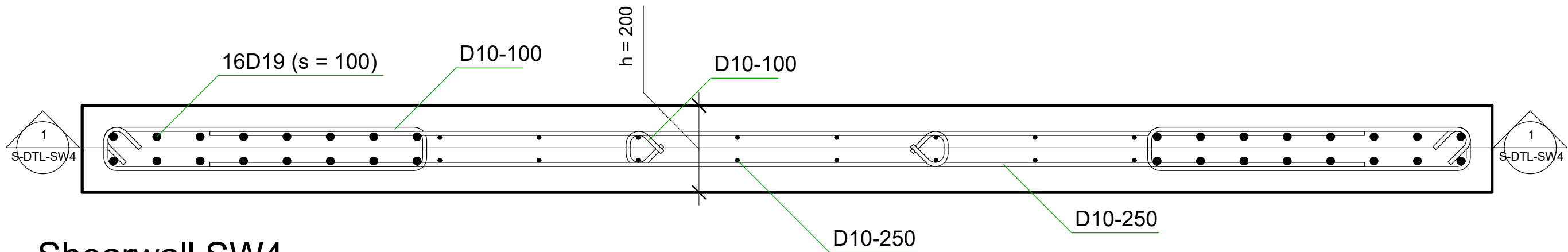
Program Studi Teknik Sipil
 Fakultas Teknik
 Universitas Katolik Soegijapranata
 Semarang

Description
$f'_c = K 400 (33,2 \text{ MPa})$ $f_y = 400 \text{ MPa}$ $f_{ys} = 240 \text{ MPa}$ Unit for Lengths = millimeters (mm)

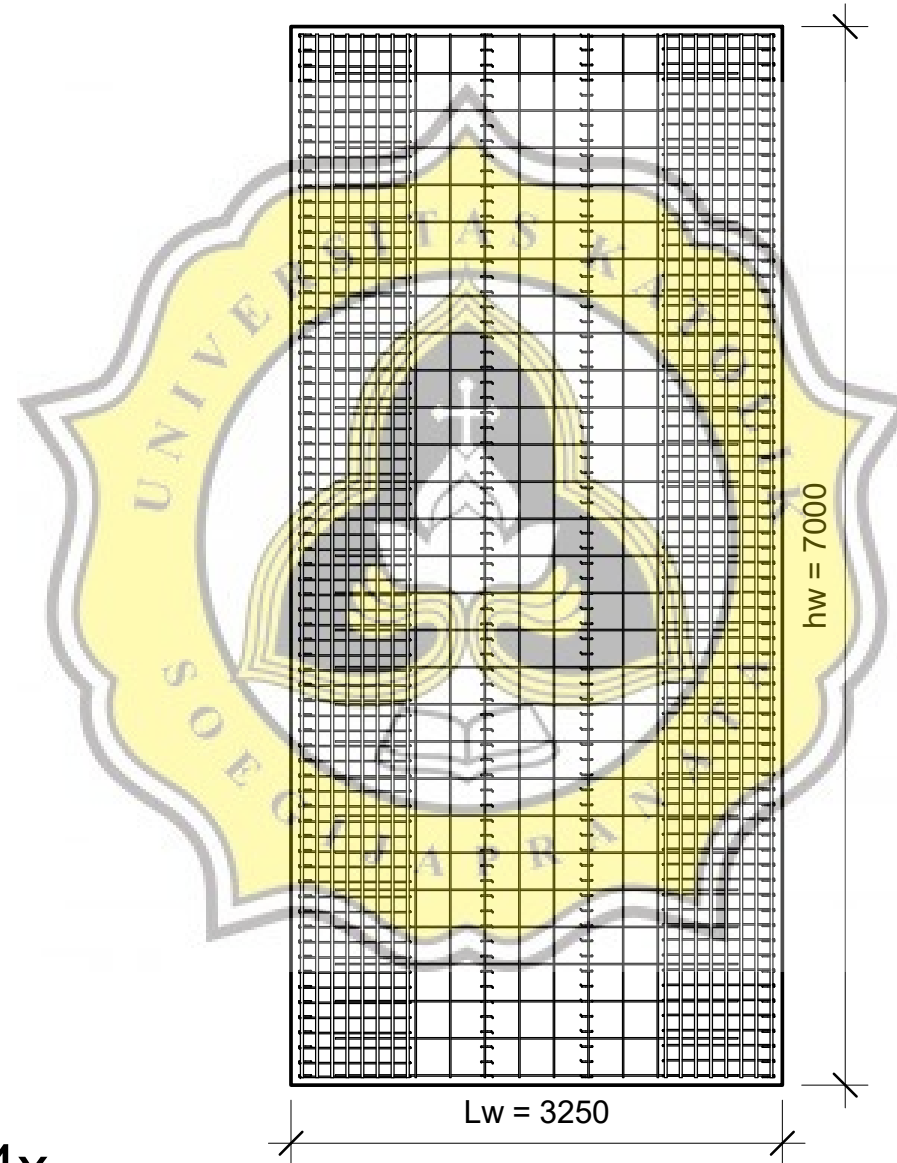
Tugas Akhir
 Hotel SS

Detail Shearwall SW3	
Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno
Scale	As indicated

S-DTL-SW3



SW4 Shearwall SW4
1 : 10



1 SW4x
1 : 50

Notes

Lw = Panjang Dinding Geser
hw = Tinggi Dinding Geser
h = Tebal Dinding Geser
cv = Selimut Beton



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Semarang

Description
$f'_c = K 400$ (33,2 MPa) $f_y = 400$ MPa $f_{ys} = 240$ MPa Unit for Lengths = millimeters (mm)

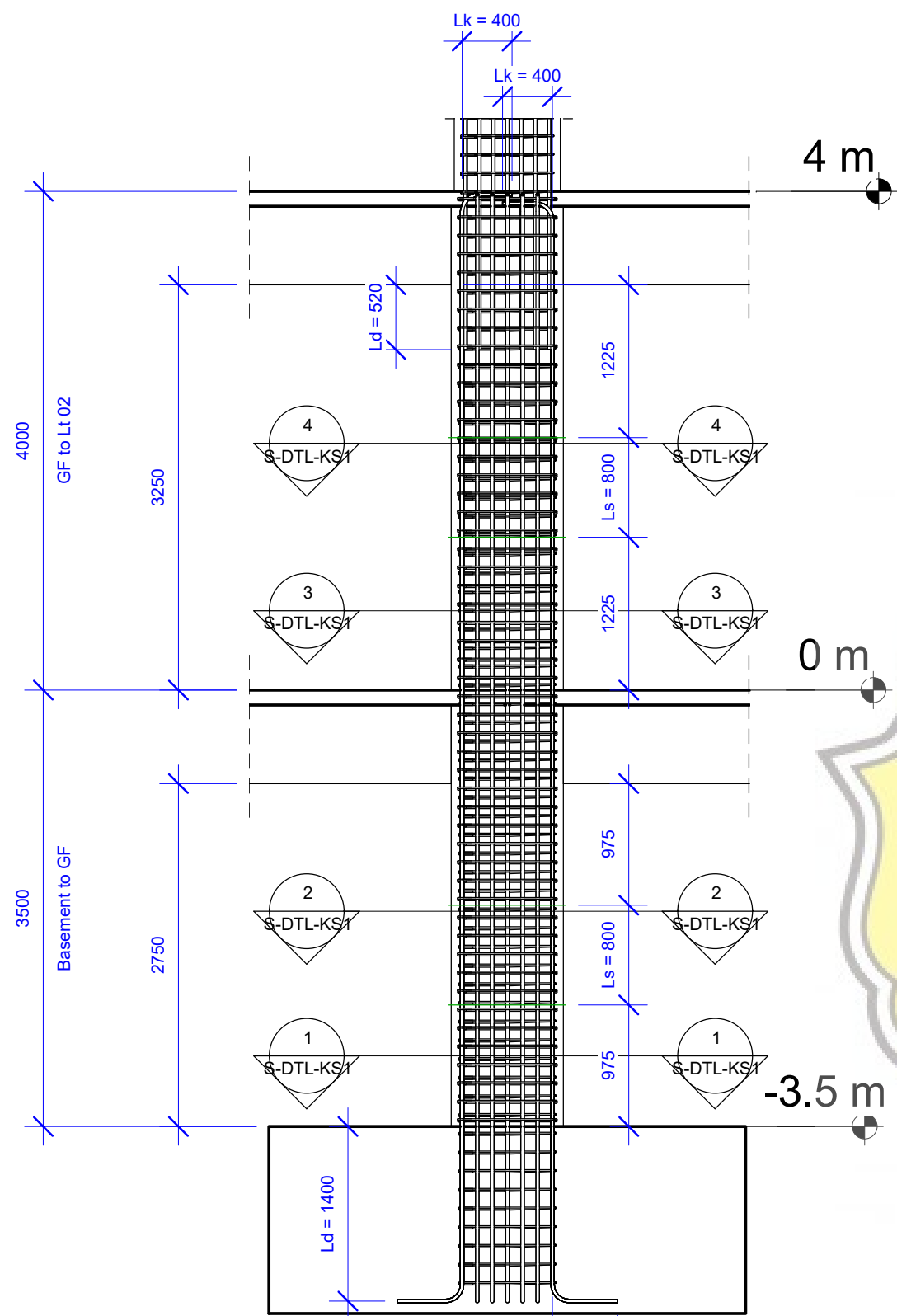
Tugas Akhir
Hotel SS

Detail Shearwall SW4

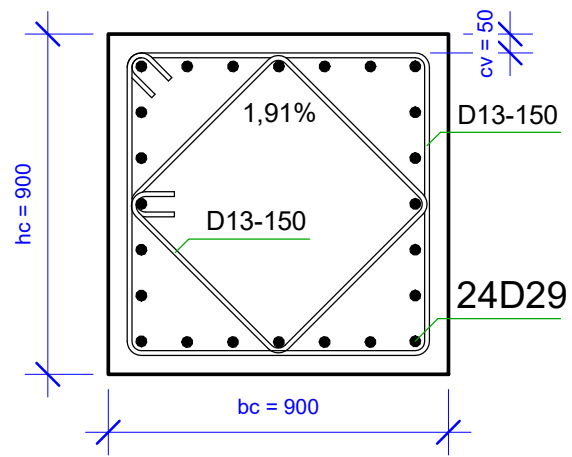
Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno

S-DTL-SW4

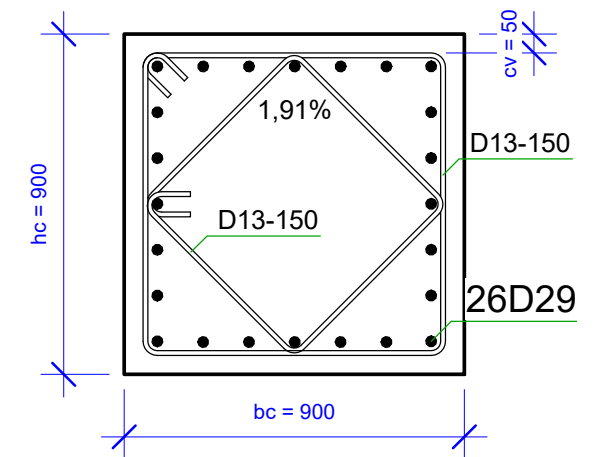
Scale As indicated



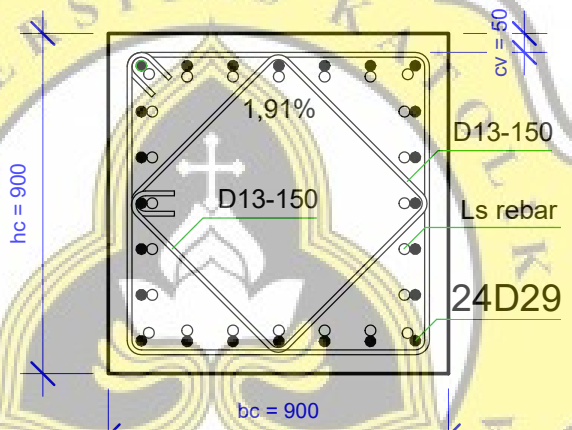
KS1 KS1 Potongan
1 : 50



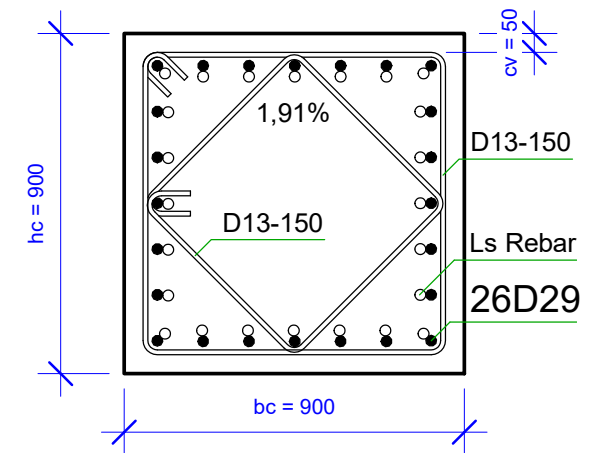
1 KS1 DT Basement
1 : 20



3 KS1 DT GF
1 : 20



2 KS1 DL Basement
1 : 20



4 KS1 DL GF
1 : 20

Notes

- Lk = Panjang Tul. Kait
- Ld = Panjang Tul. Penyaluran
- Ls = Panjang Tul. Overlap
- bc = Lebar Kolom
- hc = Tinggi Kolom
- cv = Selimut Beton



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Semarang

Description

$f'_c = K 400$ (33,2 MPa)
 $f_y = 400$ MPa
 $f_{ys} = 240$ MPa

Unit for Lengths = millimeters (mm)

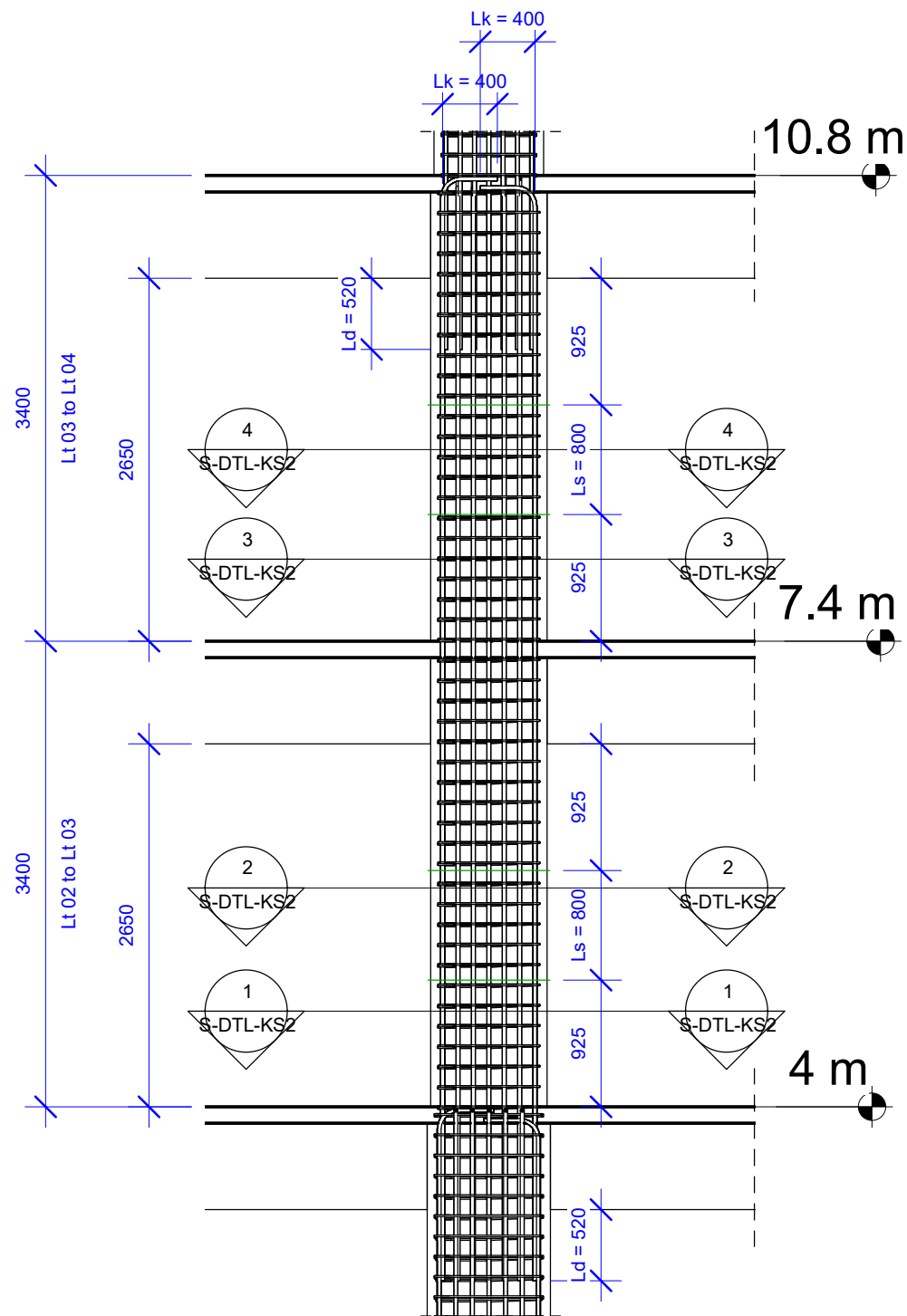
Tugas Akhir
Hotel SS

Detail Kolom KS1

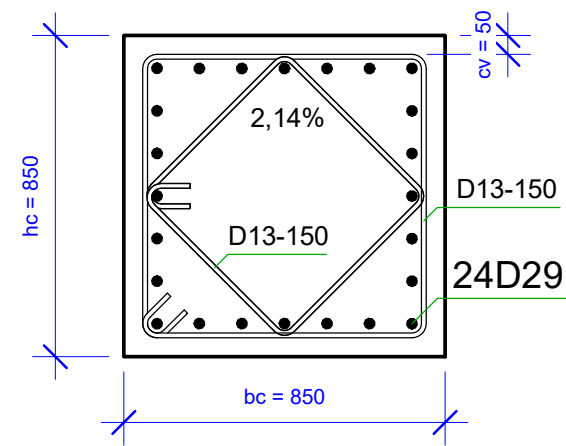
Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno

S-DTL-KS1

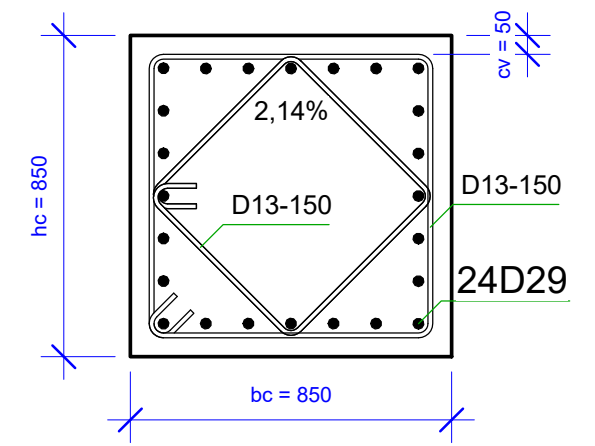
Scale As indicated



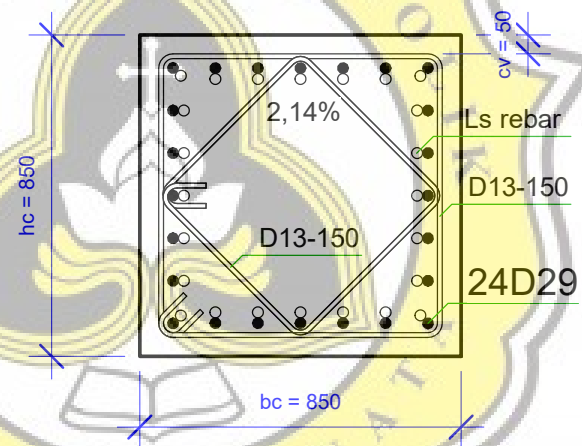
KS2 Potongan
1 : 50



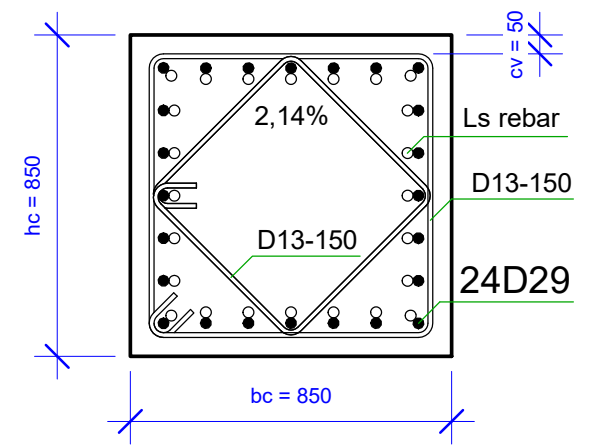
1 KS2 DT Lt 02
1 : 20



3 KS2 DT Lt 03
1 : 20



2 KS2 DL Lt 02
1 : 20



4 KS2 DL Lt 03
1 : 20

Notes

- Lk = Panjang Tul. Kait
- Ld = Panjang Tul. Penyaluran
- Ls = Panjang Tul. Overlap
- bc = Lebar Kolom
- hc = Tinggi Kolom
- cv = Selimut Beton

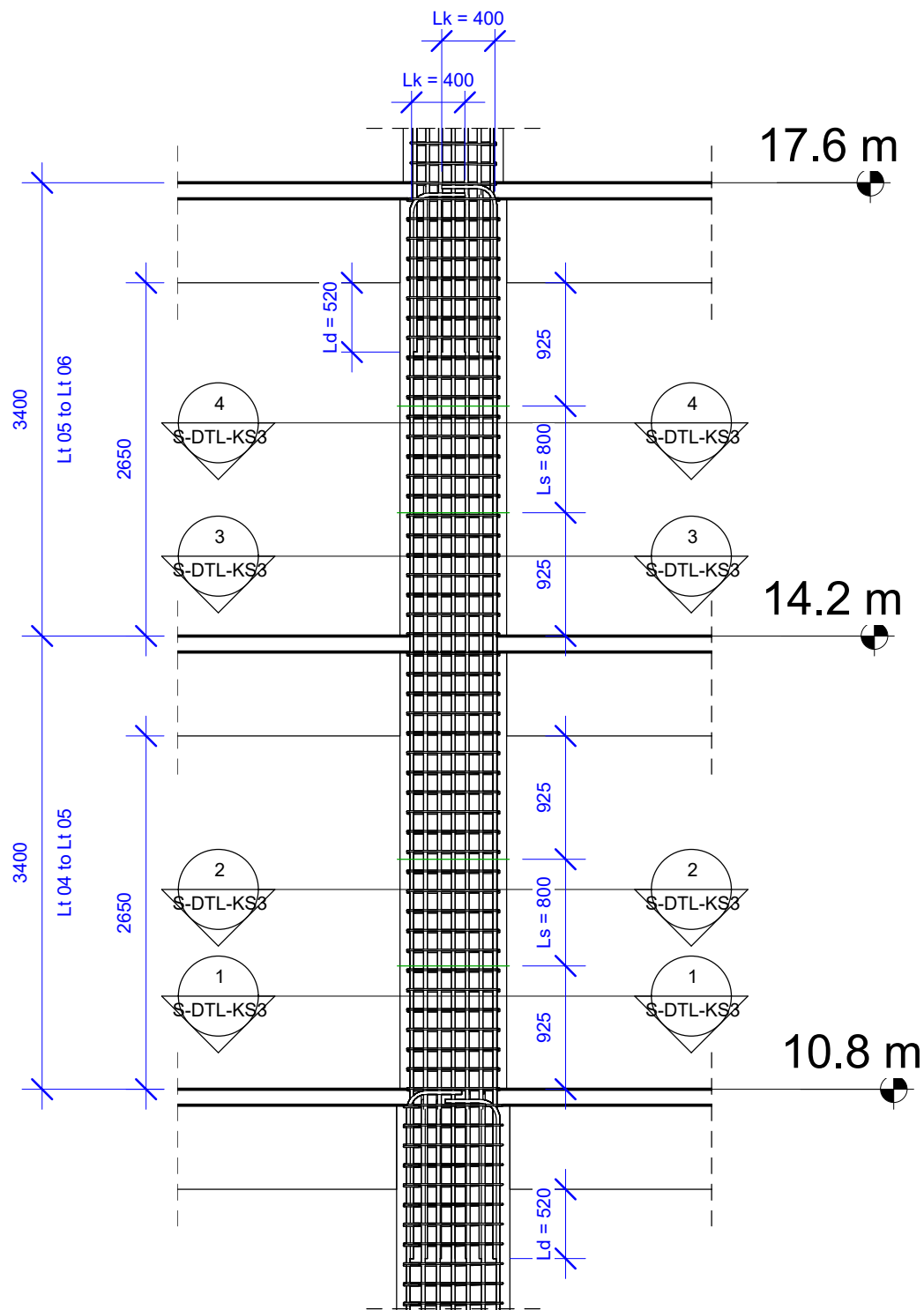


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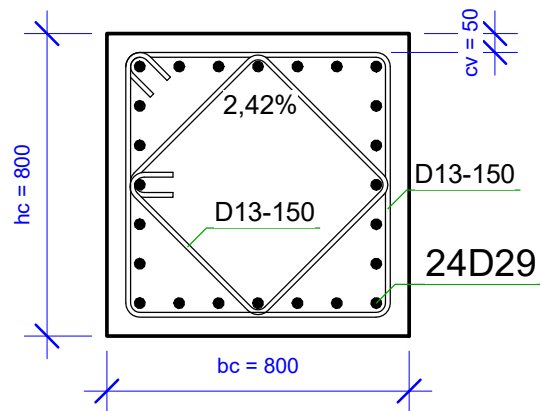
Description
$f'_c = K 400$ (33,2 MPa) $f_y = 400$ MPa $f_{ys} = 240$ MPa Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

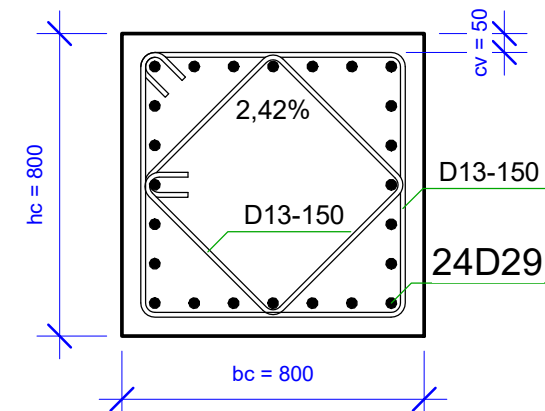
Detail Kolom KS2		S-DTL-KS2
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale		As indicated



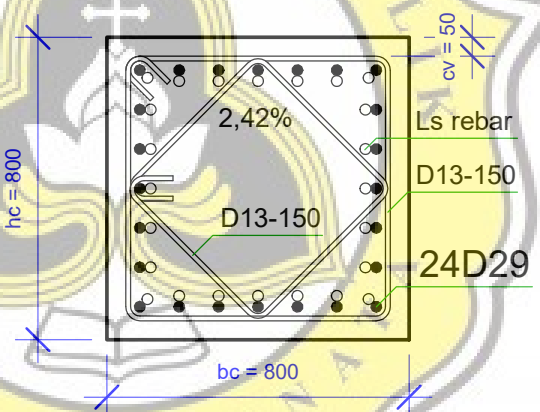
KS3 KS3 Potongan
1 : 50



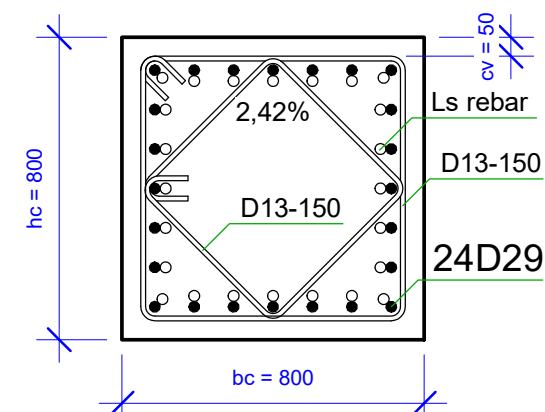
1 KS3 DT Lt 04
1 : 20



3 KS3 DT Lt 05
1 : 20



2 KS3 DL Lt 04
1 : 20



4 KS3 DL Lt 05
1 : 20

Notes

- Lk = Panjang Tul. Kait
- Ld = Panjang Tul. Penyaluran
- Ls = Panjang Tul. Overlap
- bc = Lebar Kolom
- hc = Tinggi Kolom
- cv = Selimut Beton



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Semarang

Description

$f'_c = K 400 (33,2 \text{ MPa})$
 $f_y = 400 \text{ MPa}$
 $f_{ys} = 240 \text{ MPa}$

Unit for Lengths = millimeters (mm)

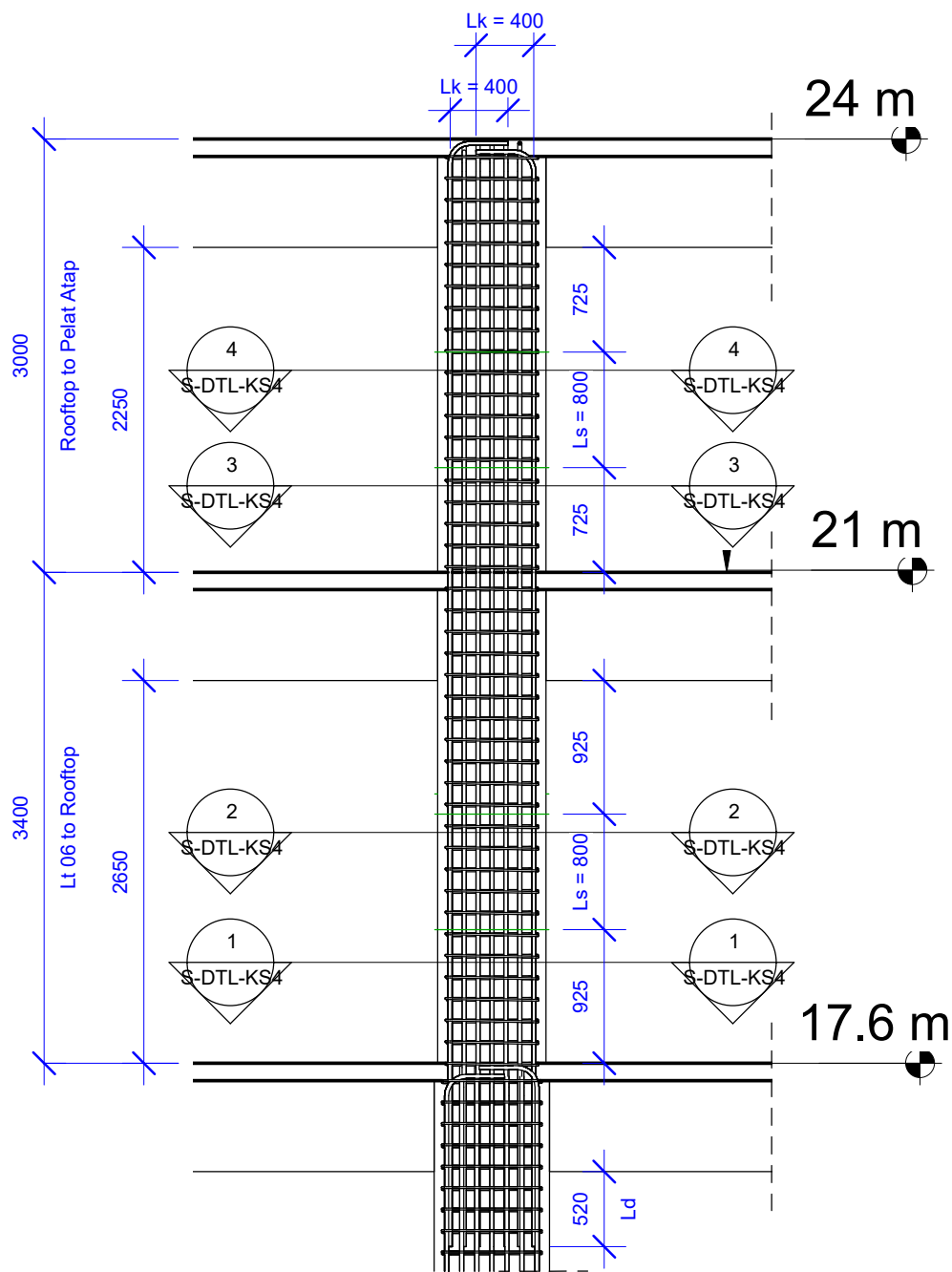
Tugas Akhir
Hotel SS

Detail Kolom KS3

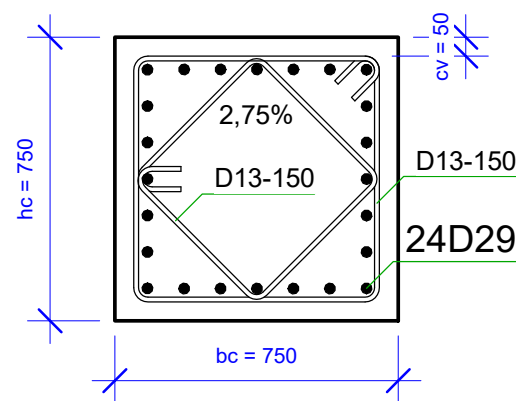
Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno

S-DTL-KS3

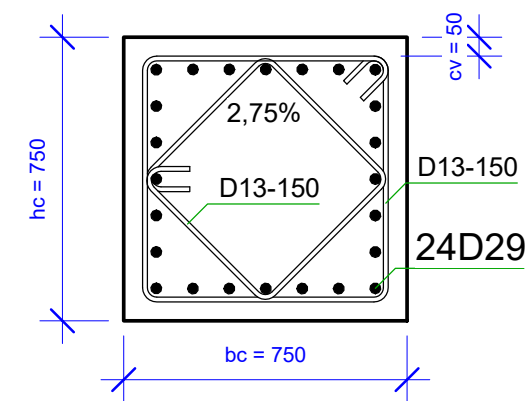
Scale As indicated



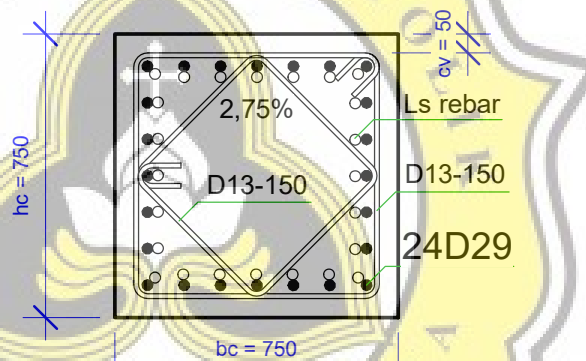
KS4 KS4 Potongan
1 : 50



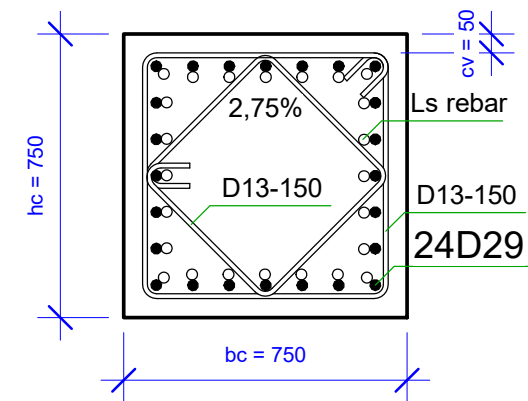
1 KS4 DT Lt 06
1 : 20



3 KS4 DT Rooftop
1 : 20



2 KS4 DL Lt 06
1 : 20



4 KS4 DL Rooftop
1 : 20

Notes

- Lk = Panjang Tul. Kait
- Ld = Panjang Tul. Penyaluran
- Ls = Panjang Tul. Overlap
- bc = Lebar Kolom
- hc = Tinggi Kolom
- cv = Selimut Beton

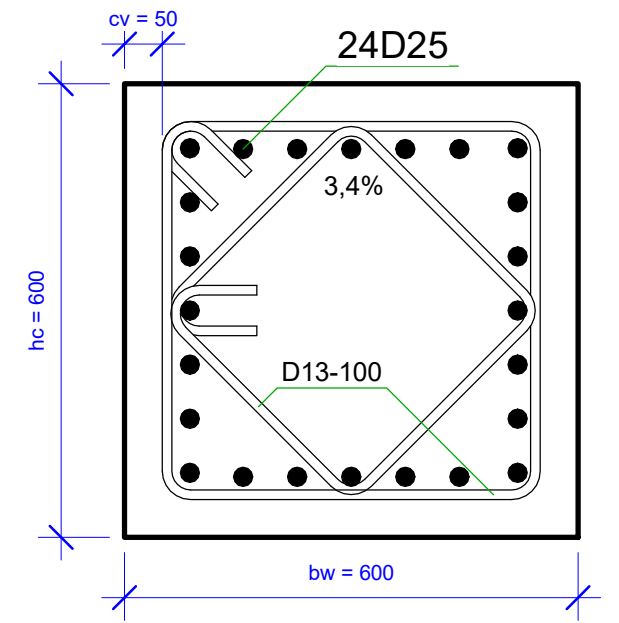
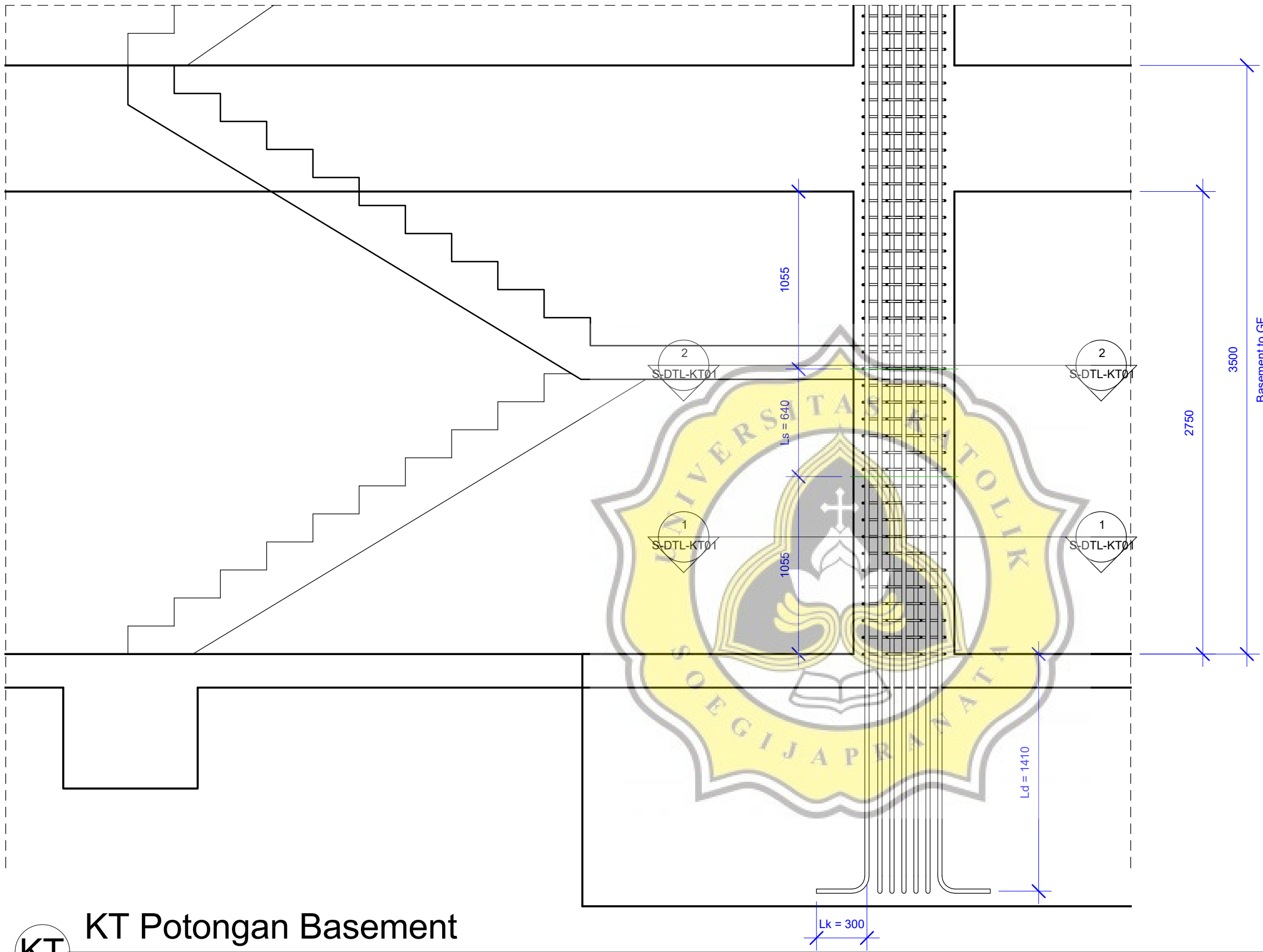


Program Studi Teknik Sipil
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Semarang

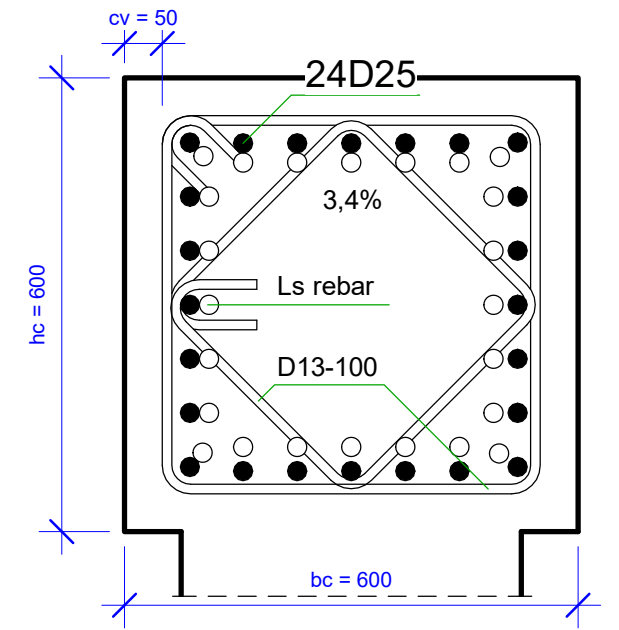
Description
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Tugas Akhir
Hotel SS

Detail Kolom KS4		S-DTL-KS4
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale		As indicated



1 KT DT Basement
1 : 10



2 KT DL Basement
1 : 10

- # Notes
- Lk = Panjang Tul. Kait
 - Ld = Panjang Tul. Penyaluran
 - Ls = Panjang Tul. Overlap
 - bc = Lebar Kolom
 - hc = Tinggi Kolom
 - cv = Selimut Beton

KT KT Potongan Basement
1 : 25

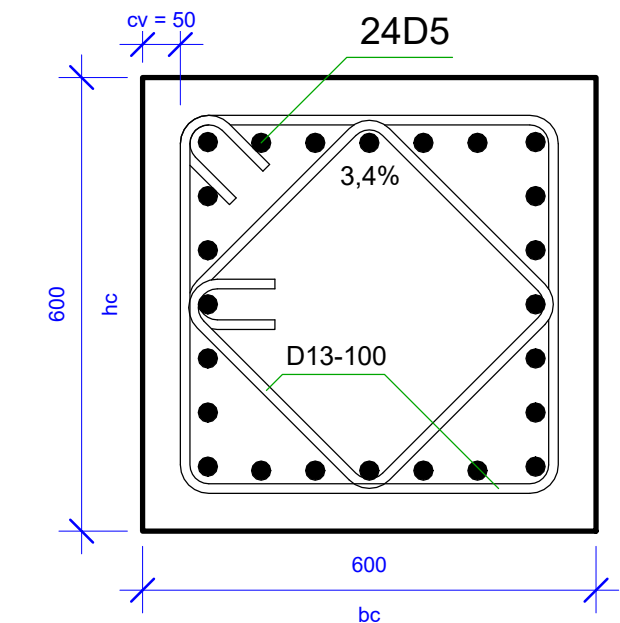
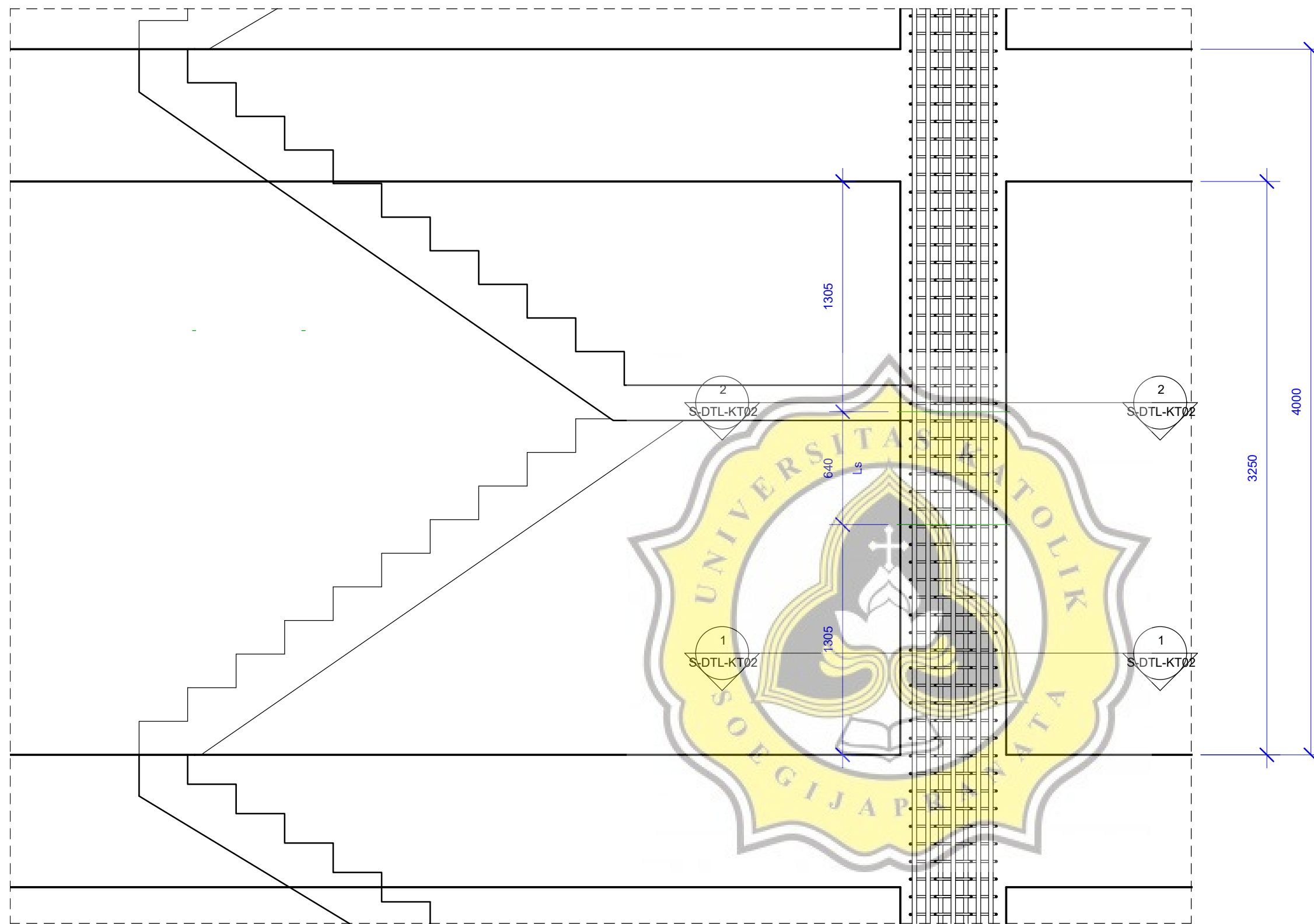


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Semarang

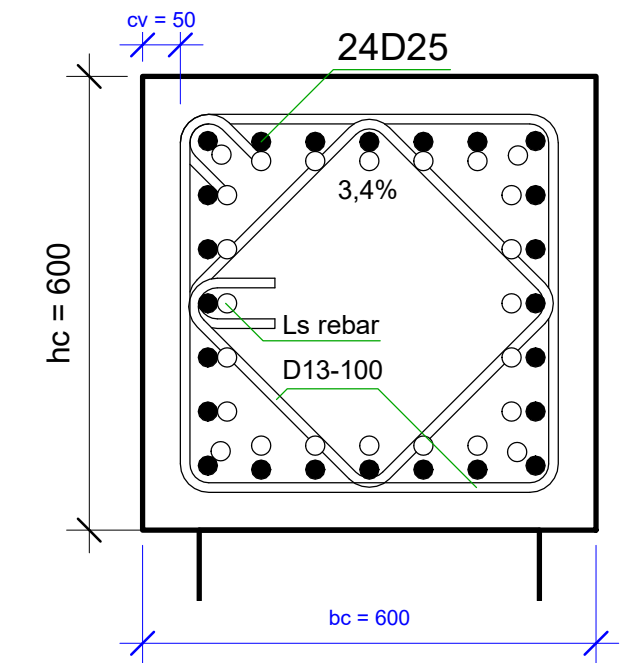
Description
$f'_c = K 400$ (33,2 MPa)
$f_y = 400$ MPa
$f_{ys} = 240$ MPa
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

Detail Kolom KT Basement		S-DTL-KT01
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauwi Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



1 **KT DT GF**
1 : 10



2 **KT DL GF**
1 : 10 # Notes

- Lk = Panjang Tul. Kait
- Ld = Panjang Tul. Penyaluran
- Ls = Panjang Tul. Overlap
- bc = Lebar Kolom
- hc = Tinggi Kolom
- cv = Selimut Beton

KT **KT Potongan GF**
1 : 25



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Fakultas Teknik

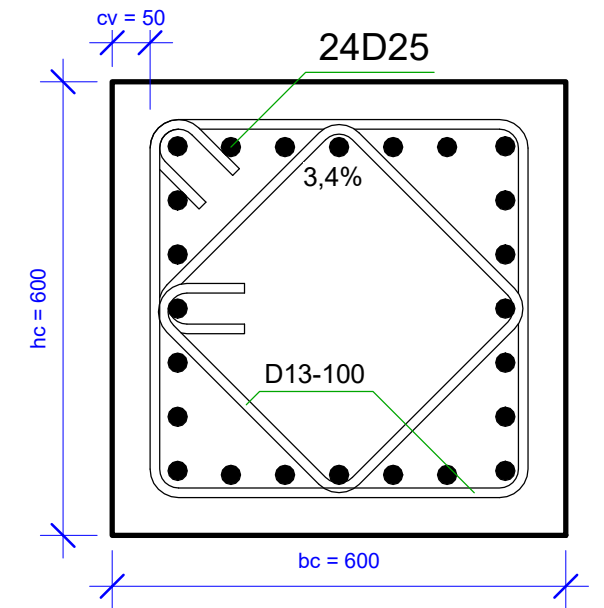
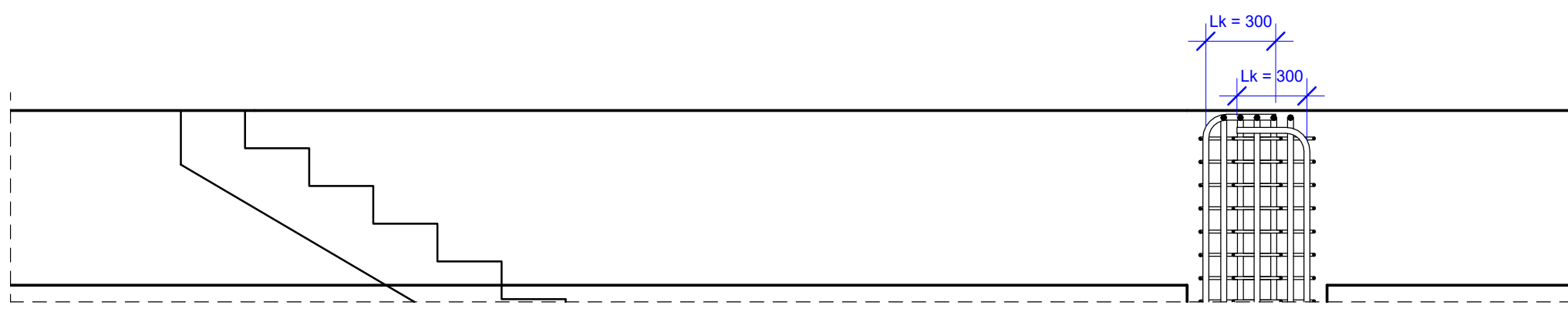
Universitas Katolik Soegijapranata
Semarang

Description
$f'_c = K\ 400\ (33,2\ MPa)$
$f_y = 400\ MPa$
$f_{ys} = 240\ MPa$
Unit for Lengths = millimeters (mm)

Tugas Akhir

Hotel SS

Detail Kolom KT GF		S-DTL-KT02
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauwi Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



KT Potongan TOP

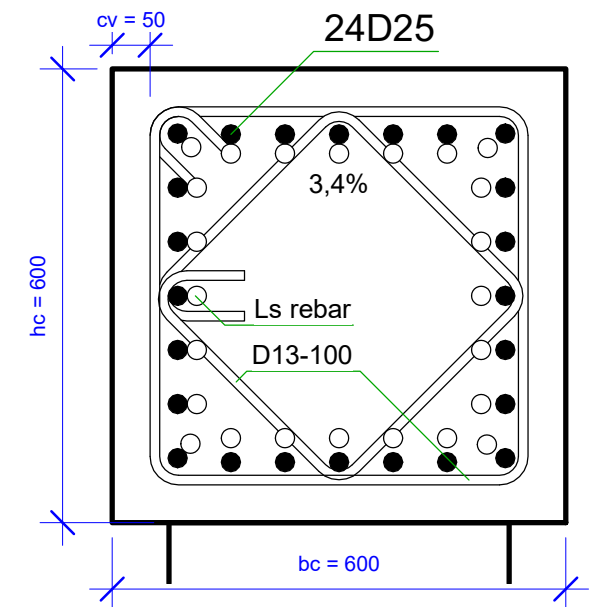
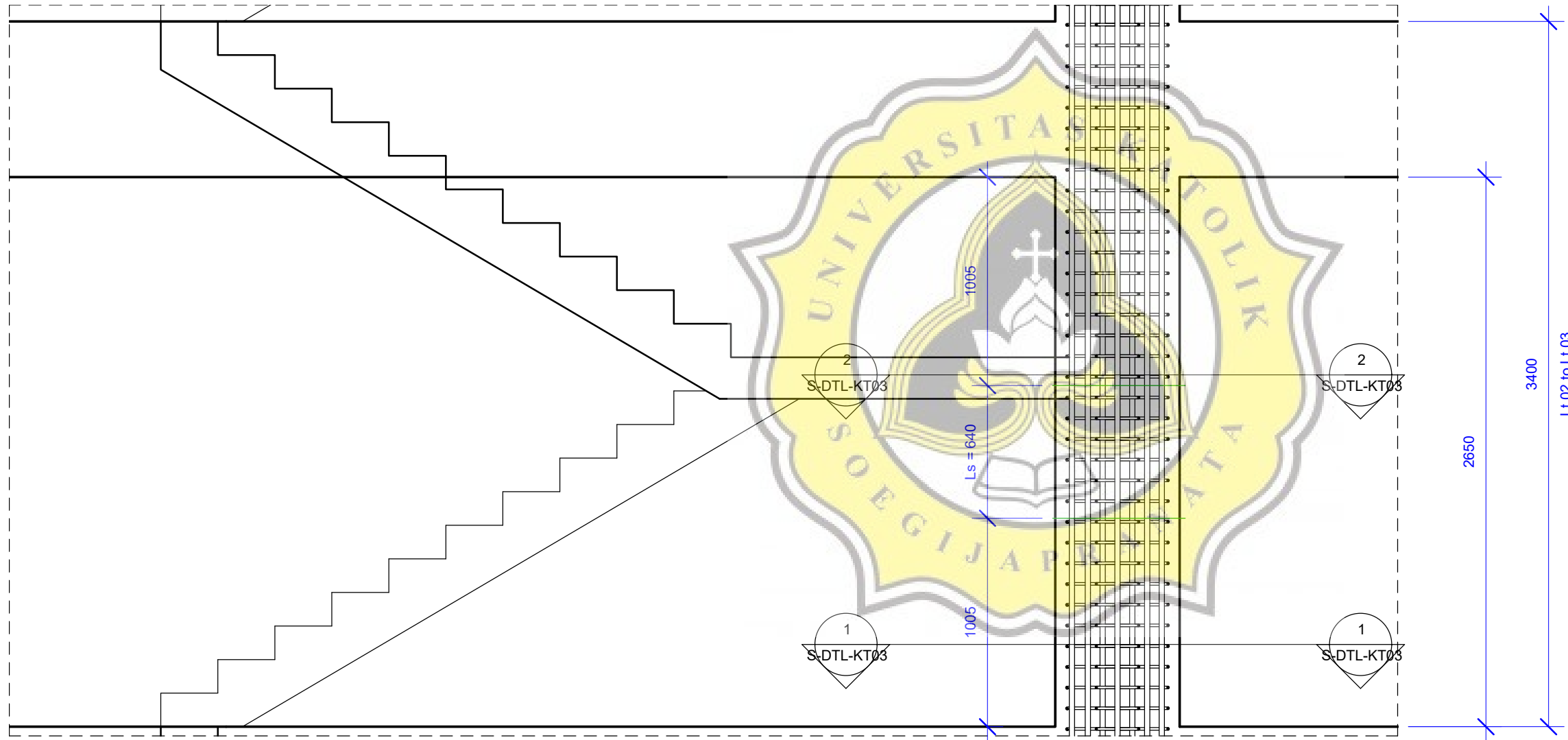
KTt

1 : 25

KT DT Lt 02

1

1 : 10



KT DL Lt 02

2

1 : 10

KT Potongan Lt 02

KT

1 : 25

Notes

- Lk = Panjang Tul. Kait
- Ld = Panjang Tul. Penyaluran
- Ls = Panjang Tul. Overlap
- bc = Lebar Kolom
- hc = Tinggi Kolom
- cv = Selimut Beton



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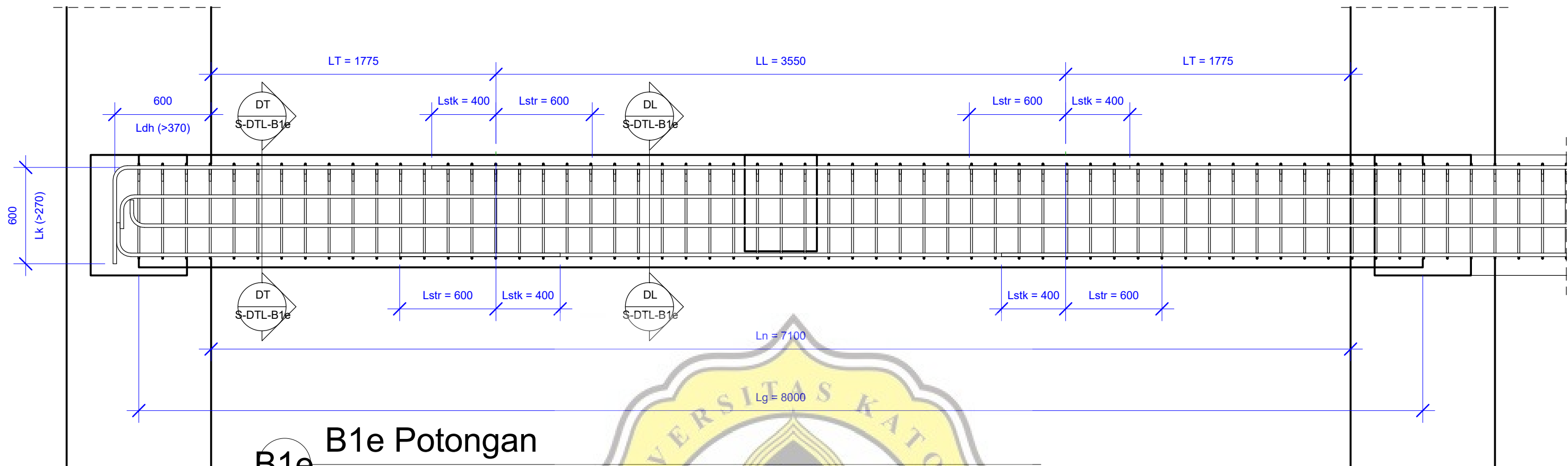
Universitas Katolik Soegijapranata
Semarang

Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

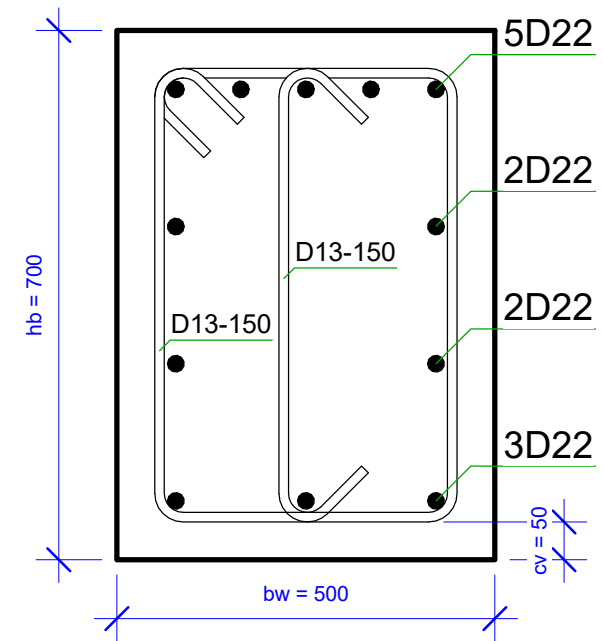
Tugas Akhir

Hotel SS

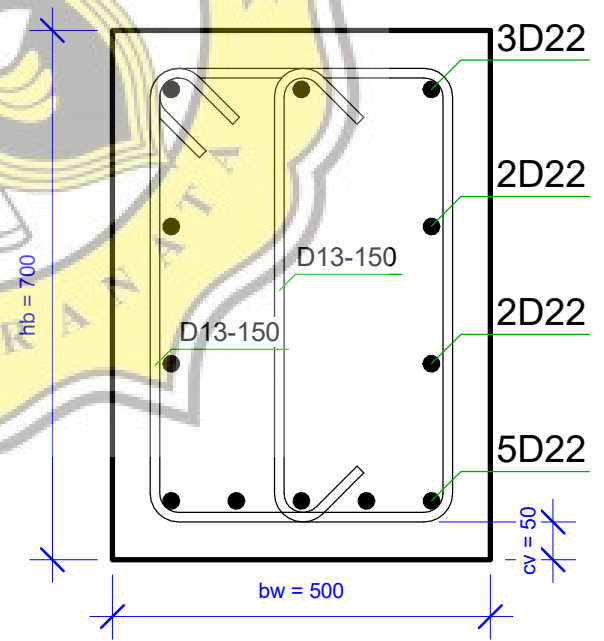
Detail Kolom KT Lt 02 to TOP		S-DTL-KT03
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liau Wwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



B1e Potongan
1 : 25



DT B1e DT
1 : 10



DL B1e DL
1 : 10

- # Notes
- Lg = Panjang Gross Balok
 - Ln = Panjang Netto Balok
 - LT = Panjang Daerah Tumpuan
 - LL = Panjang Daerah Lapangan
 - Ldh = Panjang Tul. Penjangkaran
 - Lk = Panjang Tul. Kait
 - Lstk = Panjang Tul. Overlap Bag. Tekan
 - Lstr = Panjang Tul. Overlap Bag. Tarik
 - hb = Tinggi Balok Keseluruhan
 - bw = Lebar Badan Balok
 - cv = Selimut Beton

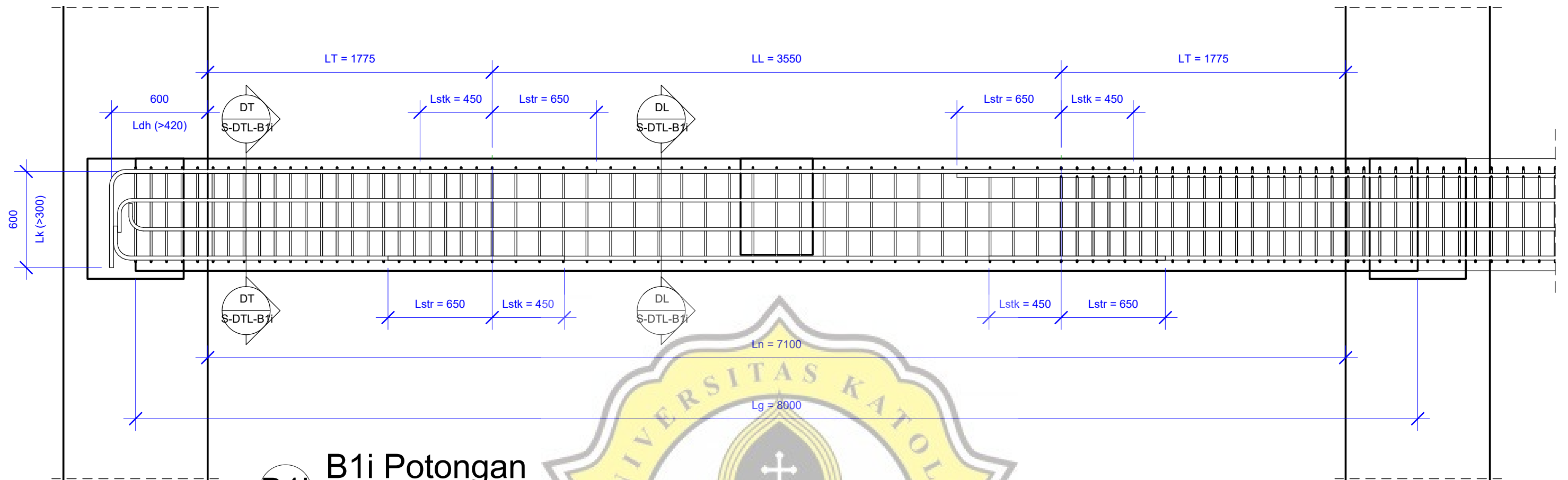


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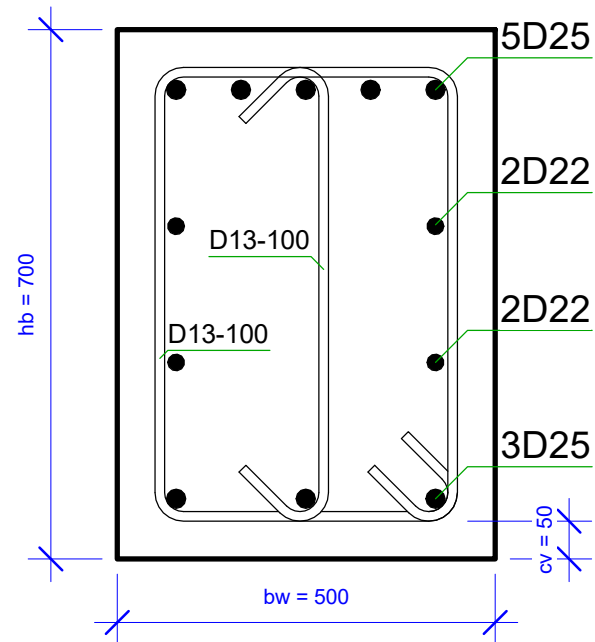
Description
$f'_c = K 400$ (33,2 MPa) $f_y = 400$ MPa $f_{ys} = 240$ MPa Unit for Lengths = millimeters (mm)

Tugas Akhir
 Hotel SS

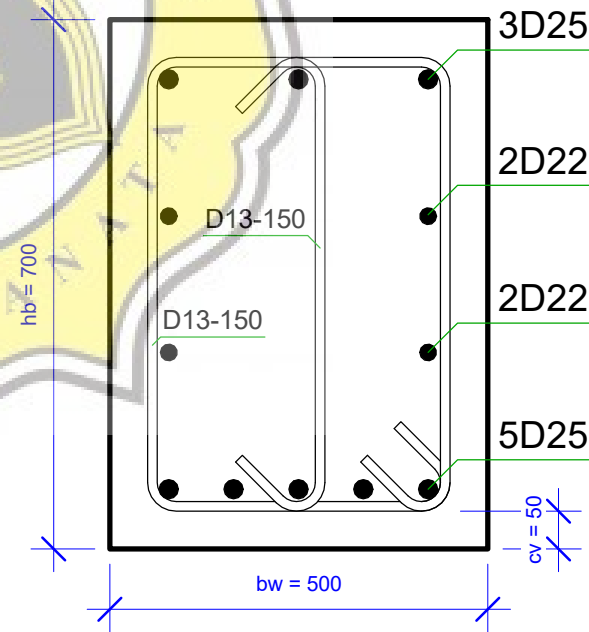
Detail Balok B1e		S-DTL-B1e
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



B1i Potongan
1 : 25



DT B1i DT
1 : 10



DL B1i DL
1 : 10

Notes

- Lg = Panjang Gross Balok
- Ln = Panjang Netto Balok
- LT = Panjang Daerah Tumpuan
- LL = Panjang Daerah Lapangan
- Ldh = Panjang Tul. Penjangkaran
- Lk = Panjang Tul. Kait
- Lstk = Panjang Tul. Overlap Bag. Tekan
- Lstr = Panjang Tul. Overlap Bag. Tarik
- hb = Tinggi Balok Keseluruhan
- bw = Lebar Badan Balok
- cv = Selimut Beton

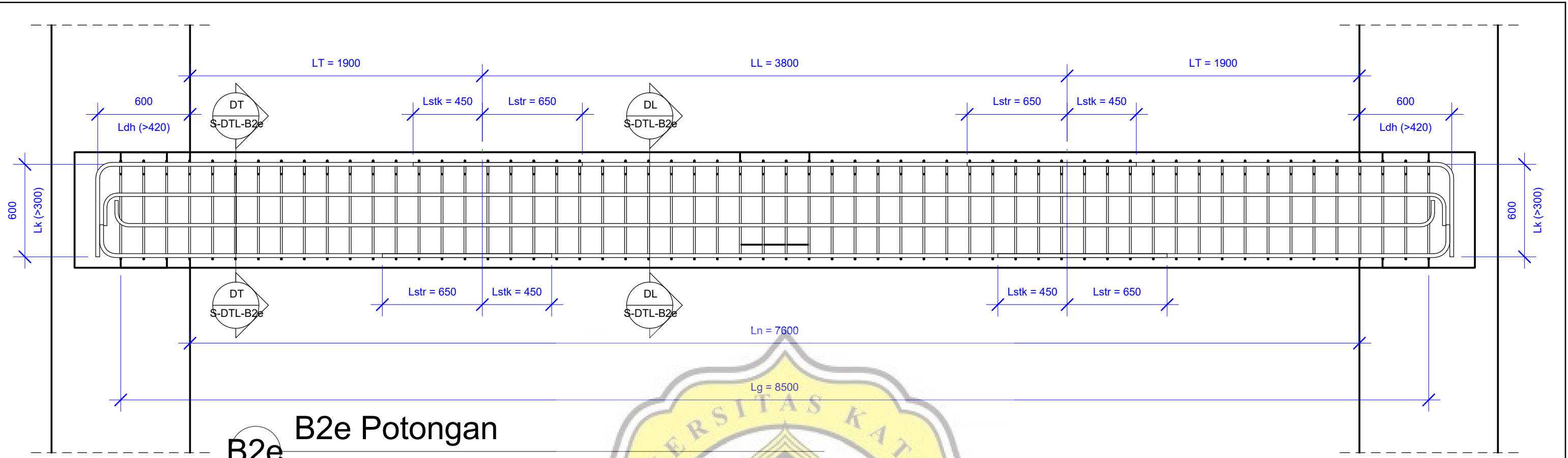


Program Studi Teknik Sipil
Fakultas Teknik
Universitas Katolik Soegijapranata
Semarang

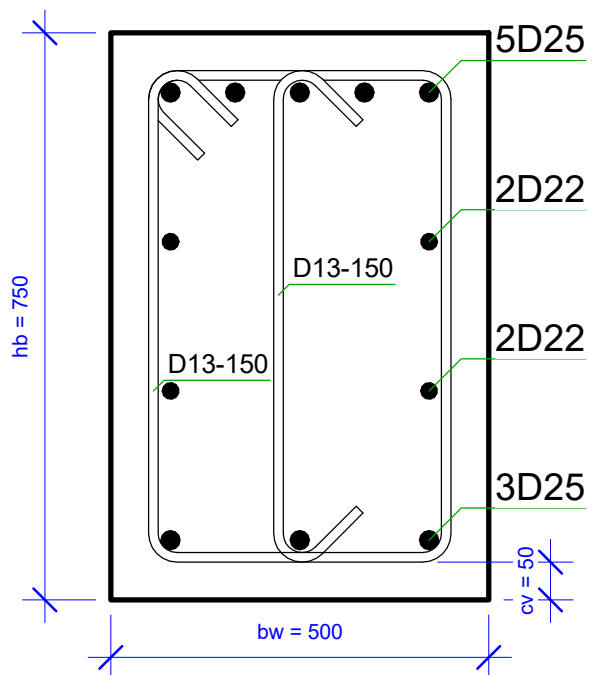
Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

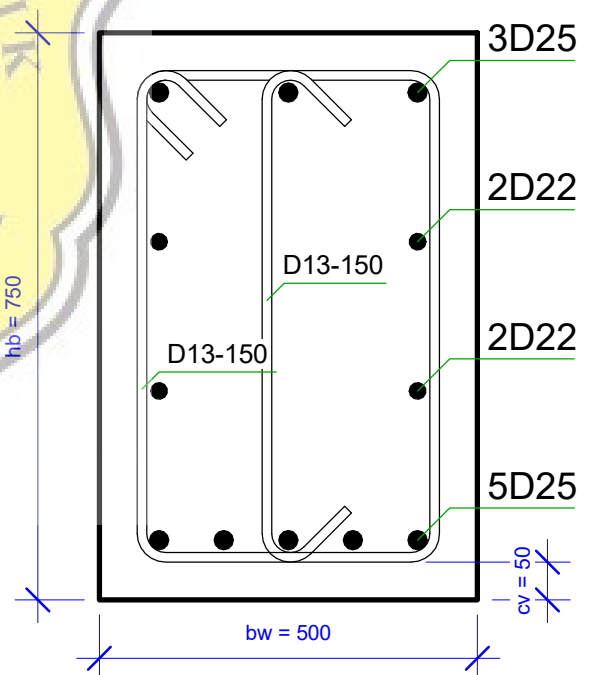
Detail Balok B1i	
Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno
S-DTL-B1i	
Scale	As indicated



B2e Potongan
1 : 25



B2e DT
1 : 10



B2e DL
1 : 10

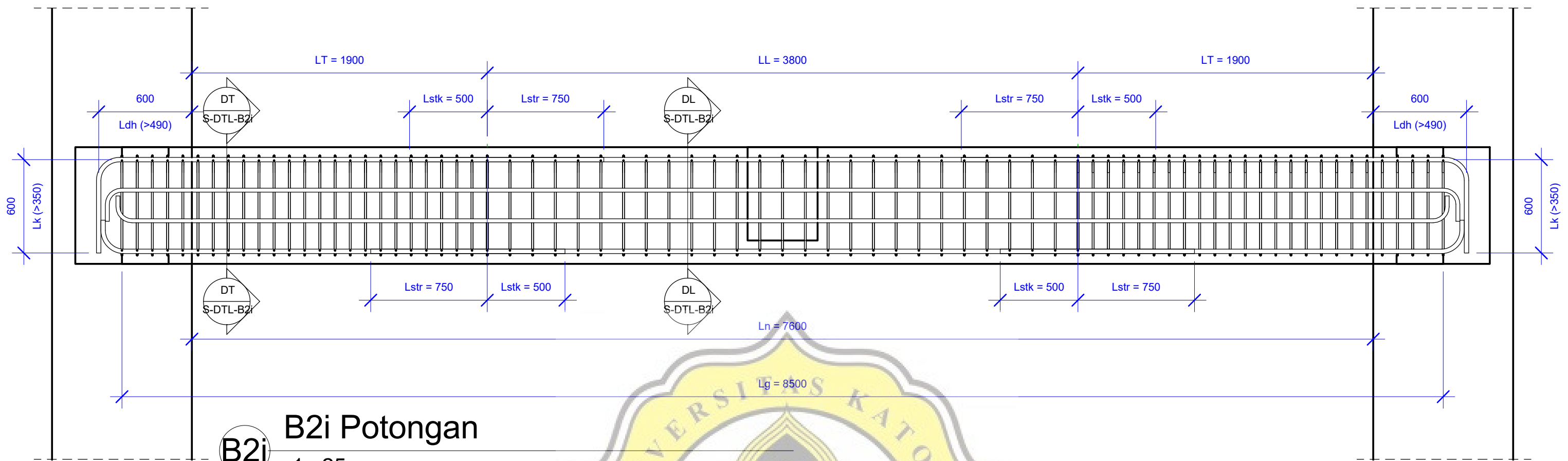
- # Notes
- Lg = Panjang Gross Balok
 - Ln = Panjang Netto Balok
 - LT = Panjang Daerah Tumpuan
 - LL = Panjang Daerah Lapangan
 - Ldh = Panjang Tul. Penjangkaran
 - Lk = Panjang Tul. Kait
 - Lstc = Panjang Tul. Overlap Bag. Tekan
 - Lstr = Panjang Tul. Overlap Bag. Tarik
 - hb = Tinggi Balok Keseluruhan
 - bw = Lebar Badan Balok
 - cv = Selimut Beton

Program Studi Teknik Sipil
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 Semarang

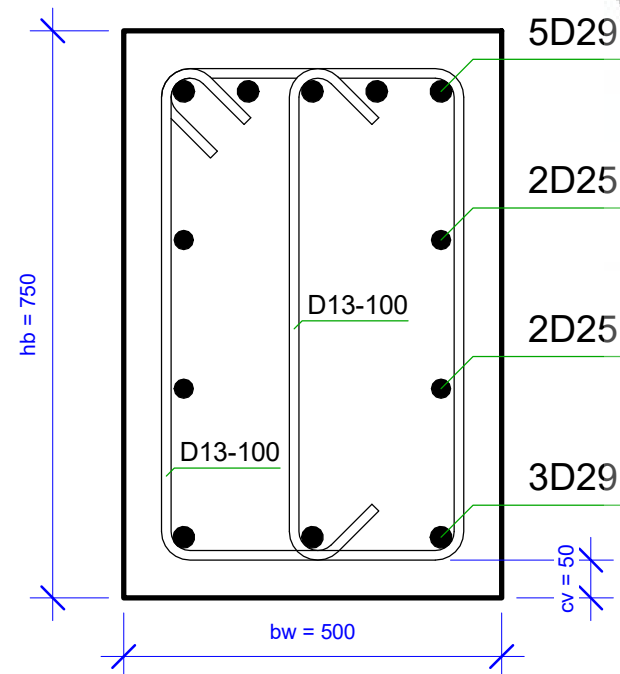
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Unit for Lengths = milimeters (mm)

Tugas Akhir
Hotel SS

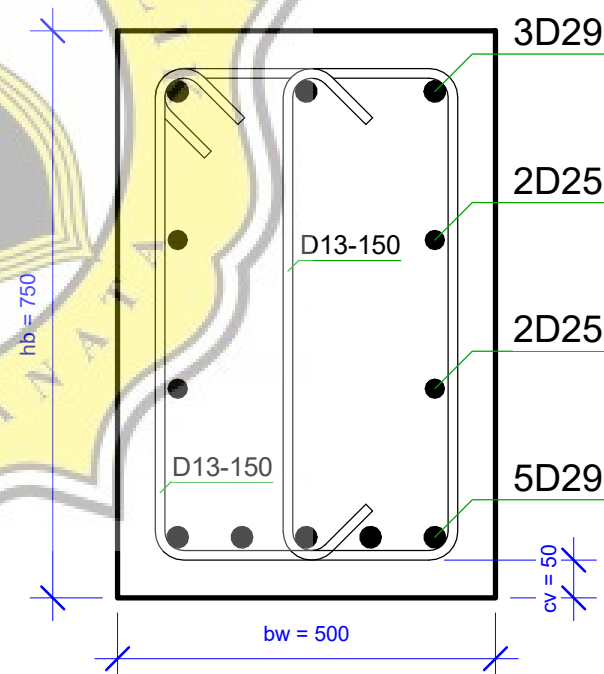
Detail Balok B2e		S-DTL-B2e
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale		As indicated



B2i Potongan
1 : 25



DT B2i DT
1 : 10



DL B2i DL
1 : 10

Notes

- Lg = Panjang Gross Balok
- Ln = Panjang Netto Balok
- LT = Panjang Daerah Tumpuan
- LL = Panjang Daerah Lapangan
- Ldh = Panjang Tul. Penjangkaran
- Lk = Panjang Tul. Kait
- Lstk = Panjang Tul. Overlap Bag. Tekan
- Lstr = Panjang Tul. Overlap Bag. Tarik
- hb = Tinggi Balok Keseluruhan
- bw = Lebar Badan Balok
- cv = Selimut Beton

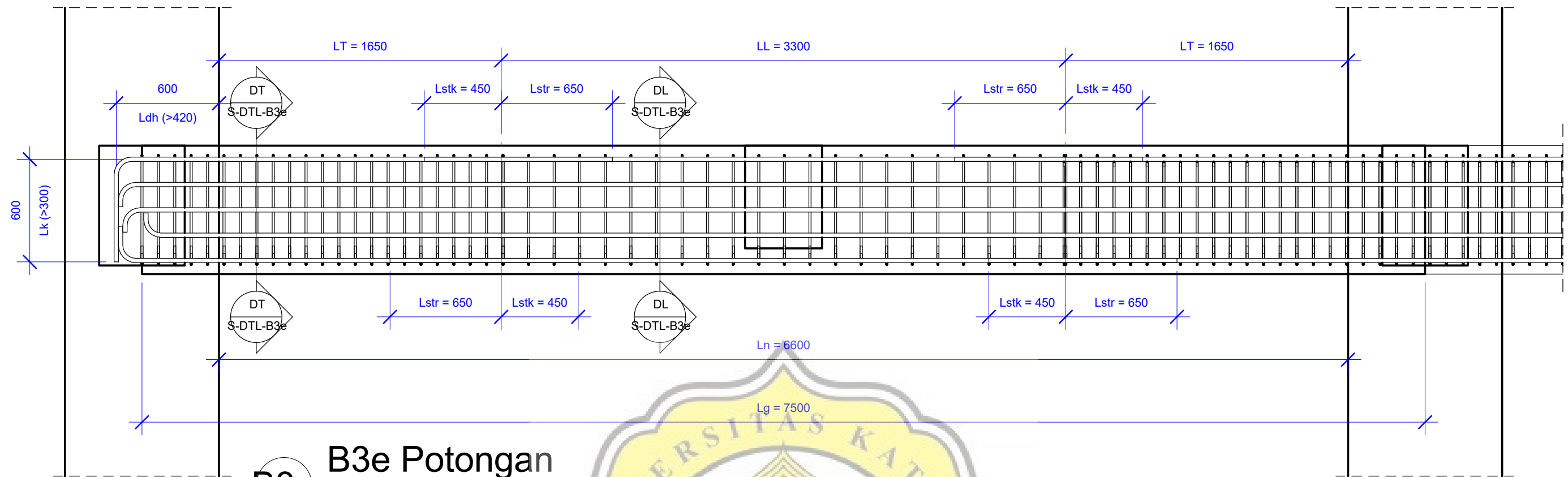


Program Studi Teknik Sipil
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Universitas Katolik Soegijapranata
Semarang

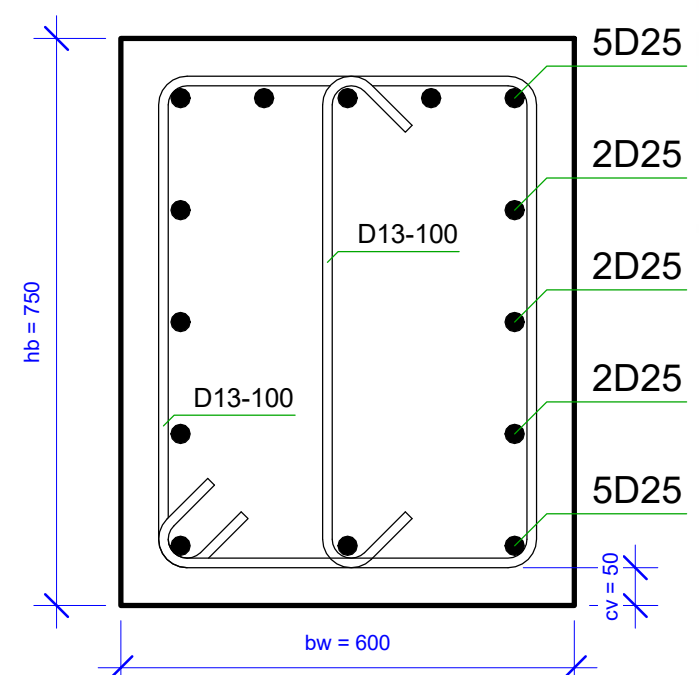
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$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

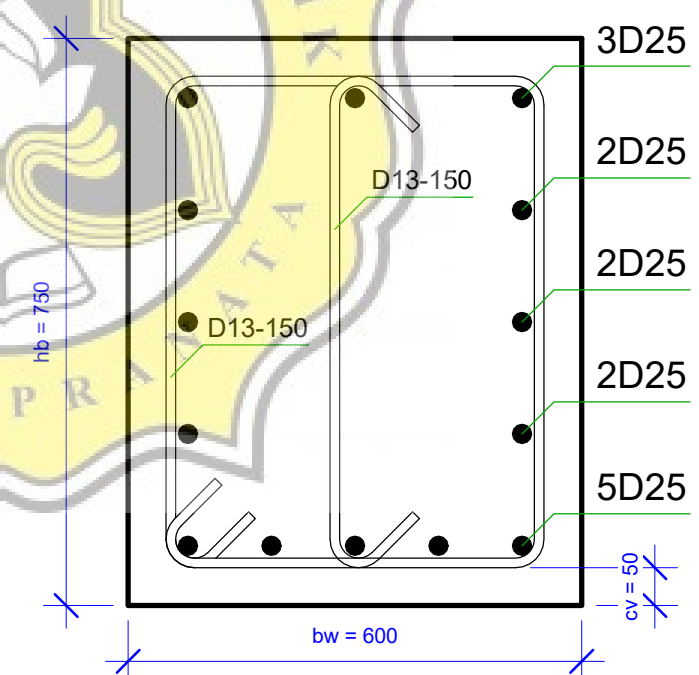
Detail Balok B2i		S-DTL-B2i
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale		As indicated



B3e Potongan
1 : 25



DT B3e DT
1 : 10



DL B3e DL
1 : 10

- # Notes
- Lg = Panjang Gross Balok
 - Ln = Panjang Netto Balok
 - LT = Panjang Daerah Tumpuan
 - LL = Panjang Daerah Lapangan
 - Ldh = Panjang Tul. Penjangkaran
 - Lk = Panjang Tul. Kait
 - Lstc = Panjang Tul. Overlap Bag. Tekan
 - Lstr = Panjang Tul. Overlap Bag. Tarik
 - hb = Tinggi Balok Keseluruhan
 - bw = Lebar Badan Balok
 - cv = Selimut Beton

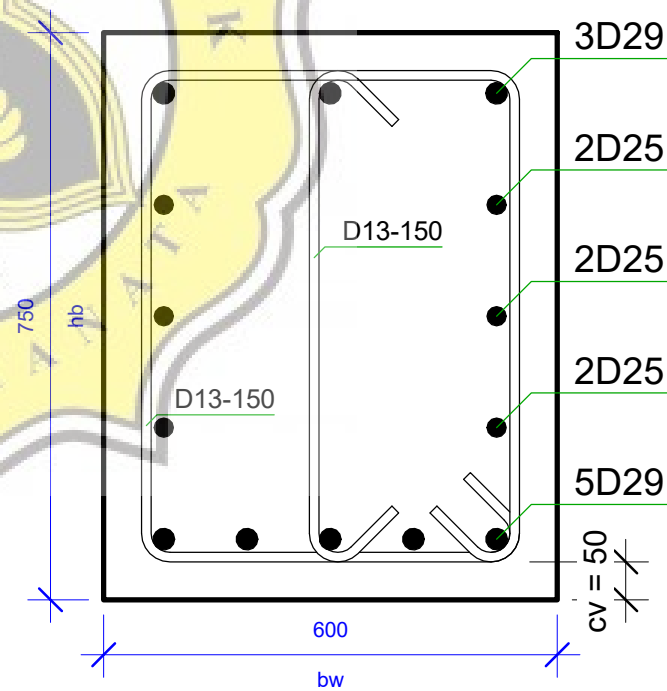
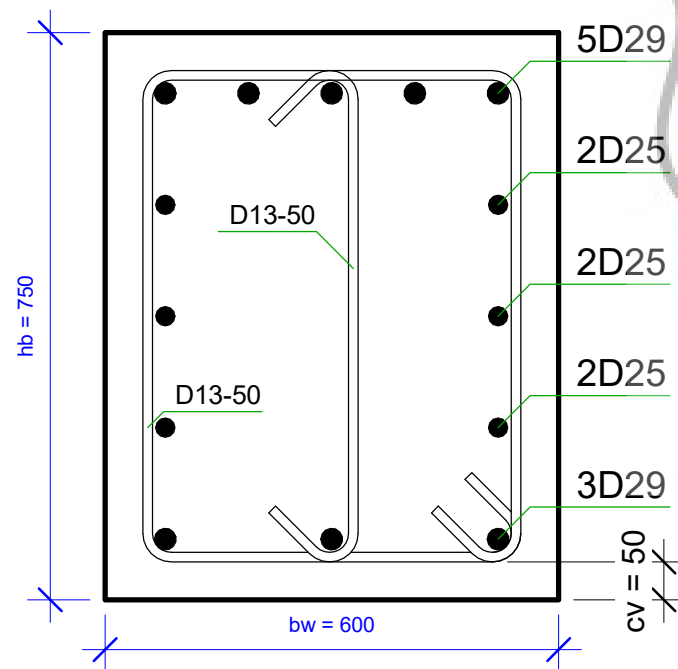
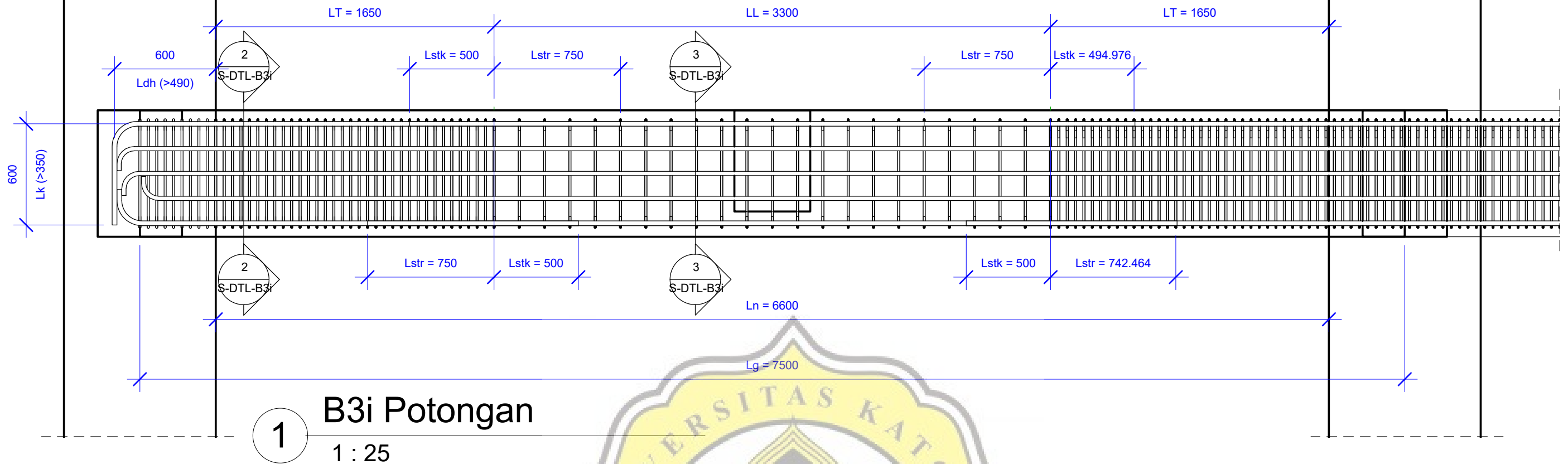


Program Studi Teknik Sipil
Fakultas Teknik
Universitas Katolik Soegijapranata
Semarang

Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

Detail Balok B3e		S-DTL-B3e
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



- # Notes
- Lg = Panjang Gross Balok
 - Ln = Panjang Netto Balok
 - LT = Panjang Daerah Tumpuan
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 - Ldh = Panjang Tul. Penjangkaran
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 - Lstk = Panjang Tul. Overlap Bag. Tekan
 - Lstr = Panjang Tul. Overlap Bag. Tarik
 - hb = Tinggi Balok Keseluruhan
 - bw = Lebar Badan Balok
 - cv = Selimut Beton

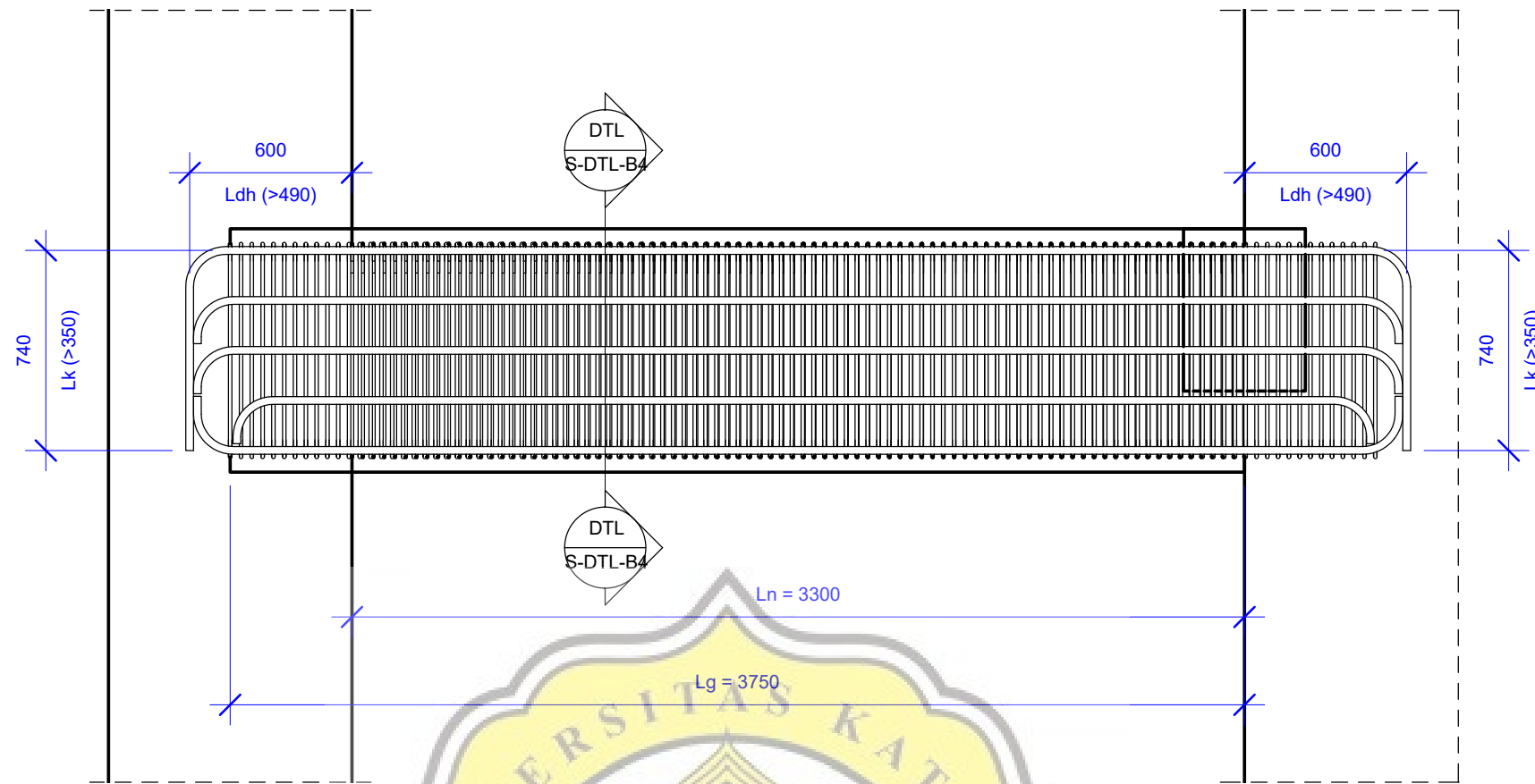


Program Studi Teknik Sipil
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Semarang

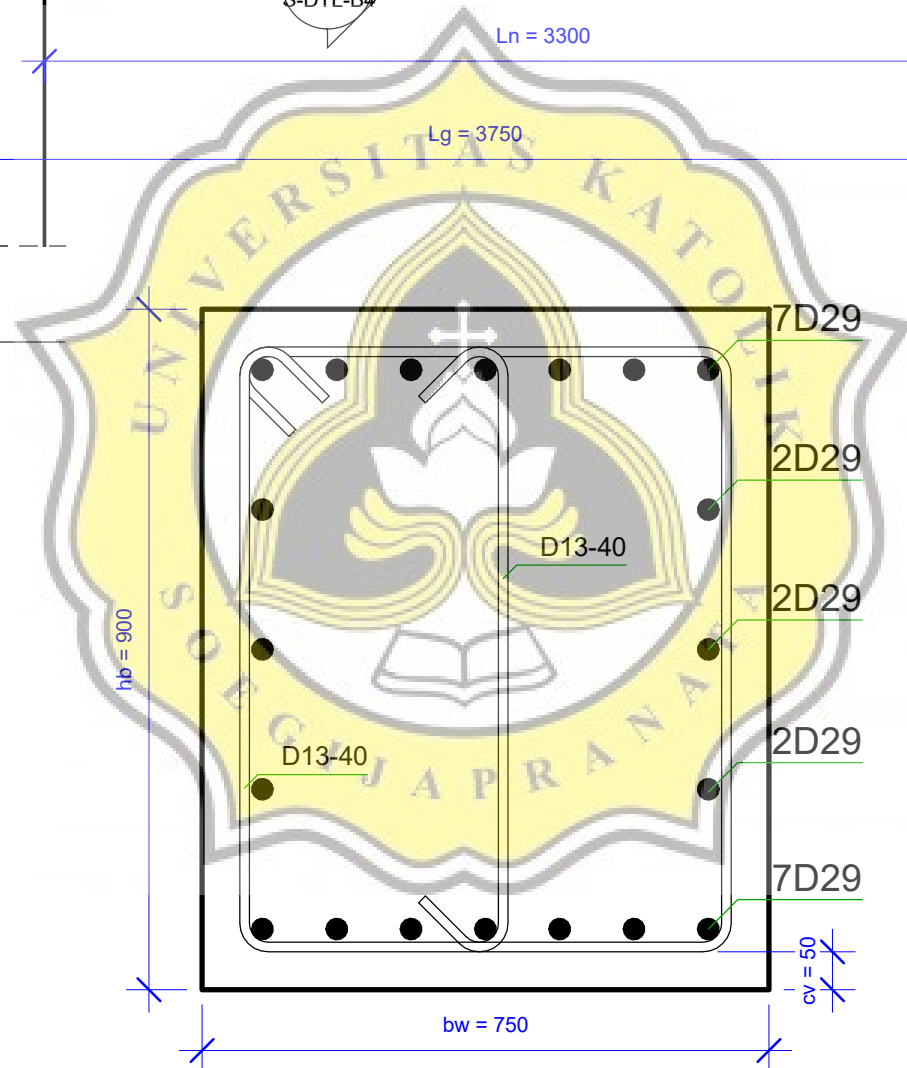
Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

Detail Balok B3i		S-DTL-B3i
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



B4 B4 Potongan
1 : 25



DTL B4 DTL
1 : 10

Notes

- Lg = Panjang Gross Balok
- Ln = Panjang Netto Balok
- Ldh = Panjang Tul. Penjangkaran
- Lk = Panjang Tul. Kait
- hb = Tinggi Balok Keseluruhan
- bw = Lebar Badan Balok
- cv = Selimut Beton



Program Studi Teknik Sipil
Fakultas Teknik

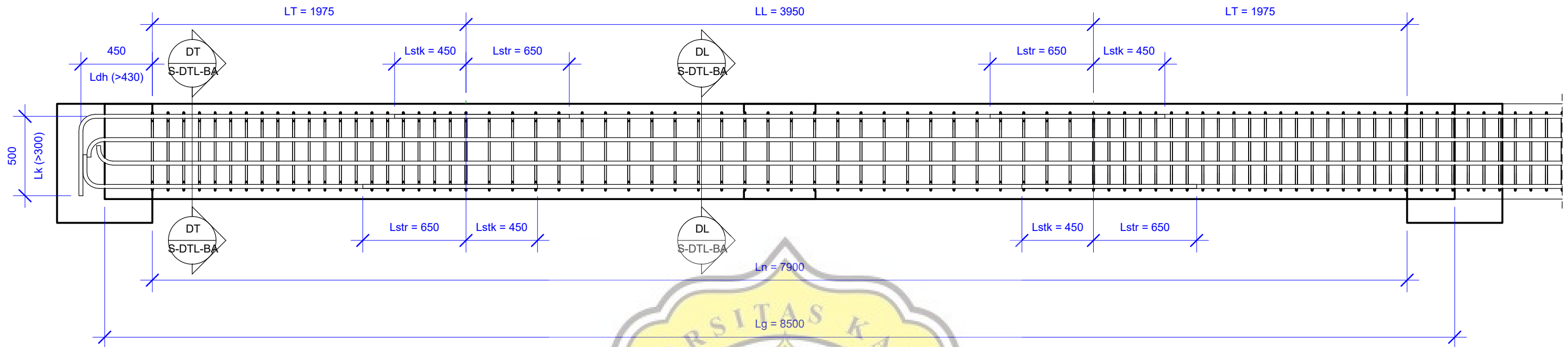
Universitas Katolik Soegijapranata
Semarang

Description
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$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

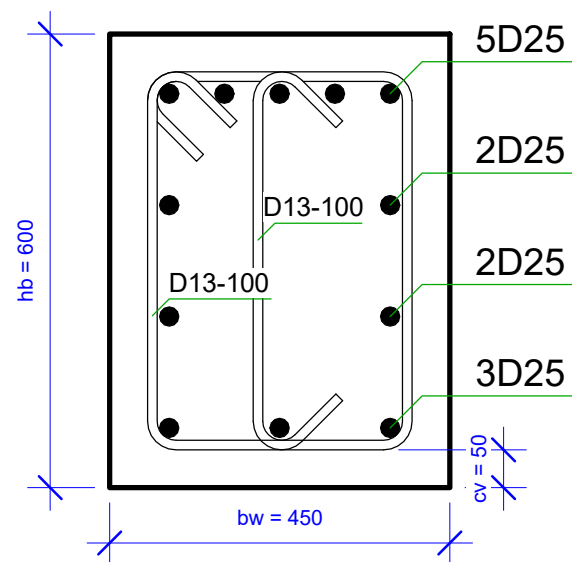
Tugas Akhir

Hotel SS

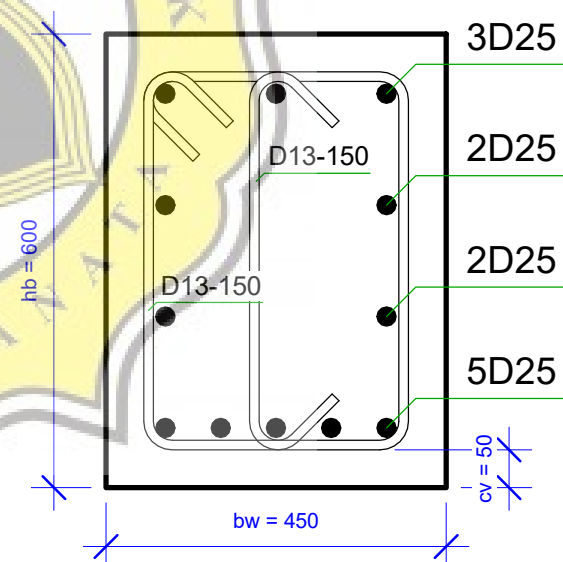
Detail Balok B4		S-DTL-B4
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale	As indicated	



BA Potongan
1 : 25



DT BA DT
1 : 10



DL BA DL
1 : 10

Notes

- Lg = Panjang Gross Balok
- Ln = Panjang Netto Balok
- LT = Panjang Daerah Tumpuan
- LL = Panjang Daerah Lapangan
- Ldh = Panjang Tul. Penjangkaran
- Lk = Panjang Tul. Kait
- Lstk = Panjang Tul. Overlap Bag. Tekan
- Lstr = Panjang Tul. Overlap Bag. Tarik
- hb = Tinggi Balok Keseluruhan
- bw = Lebar Badan Balok
- cv = Selimut Beton

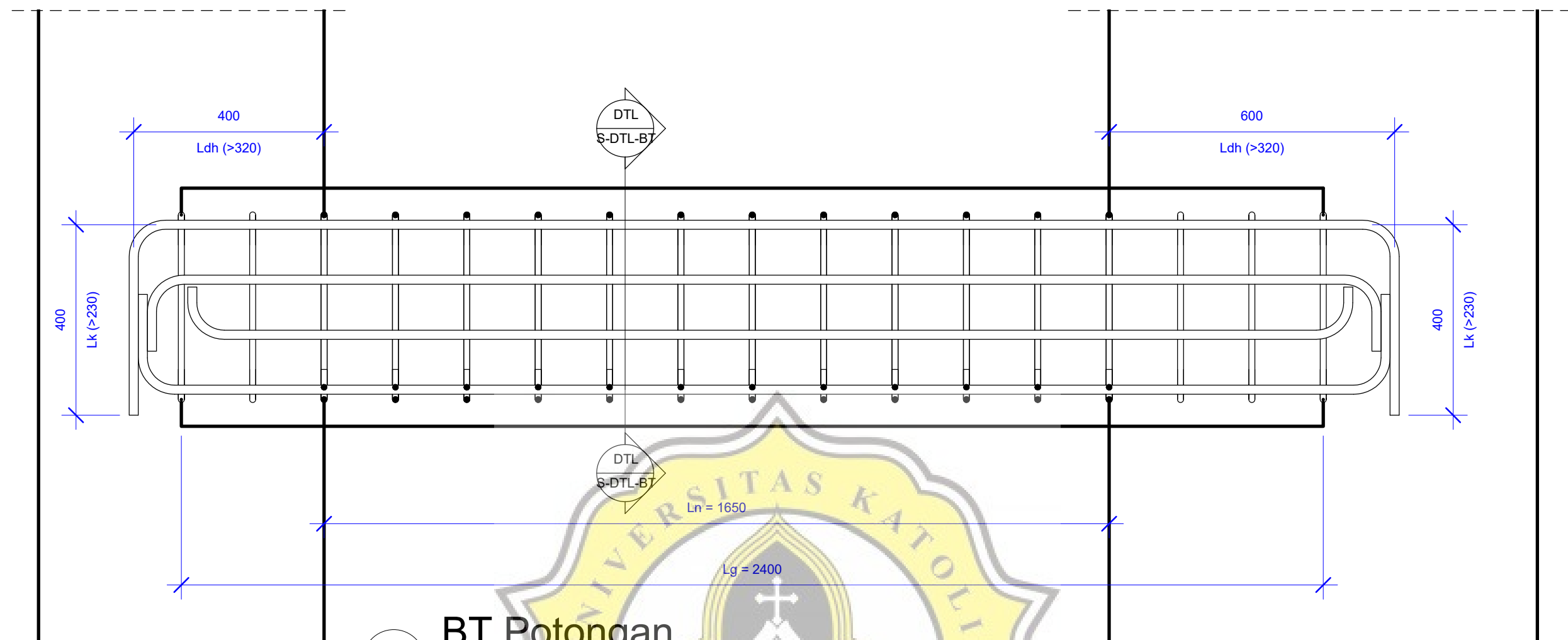


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Semarang

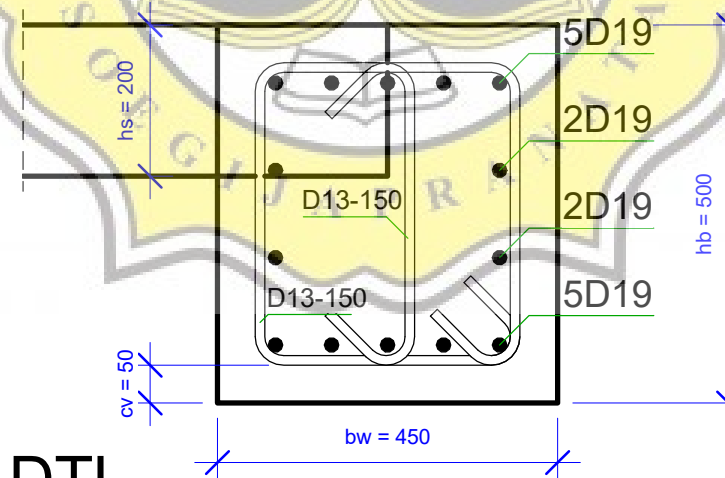
Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

Detail Balok BA		S-DTL-BA
Project number	0003	
Date	9 Agustus 2020	
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan	
Checked by	Ir. David Widiyanto & Ir. Widija Suseno	
Scale		As indicated



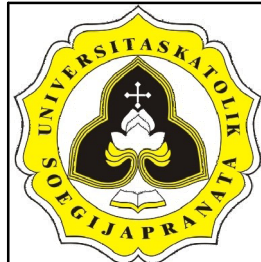
BT Potongan
1 : 10



DTL BT DTL
1 : 10

Notes

- Lg = Panjang Gross Balok
- Ln = Panjang Netto Balok
- Ldh = Panjang Tul. Penjangkaran
- Lk = Panjang Tul. Kait
- hb = Tinggi Balok Keseluruhan
- hs = Tebal Pelat
- bw = Lebar Badan Balok
- cv = Selimut Beton



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Universitas Katolik Soegijapranata
Semarang

Description
$f'_c = K 400 (33,2 \text{ MPa})$
$f_y = 400 \text{ MPa}$
$f_{ys} = 240 \text{ MPa}$
Unit for Lengths = millimeters (mm)

Tugas Akhir
Hotel SS

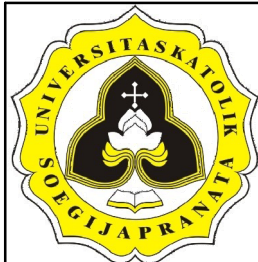
Detail Balok BT

Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno

S-DTL-BT

Scale 1 : 10

TYPE OF REINFORCEMENT	BEAM TYPE	LEFT END	MIDDLE	RIGHT END
TOP LAYER	B1e (500/700)	5D22	3D22	5D22
BOTTOM LAYER		3D22	5D22	3D22
STIRRUPS		D13-150	D13-150	D13-150
WEB REBAR		4D22	4D22	4D22
TOP LAYER	B1i (500/700)	5D25	3D25	5D25
BOTTOM LAYER		3D25	5D25	3D25
STIRRUPS		D13-100	D13-200	D13-100
WEB REBAR		4D22	4D22	4D22
TOP LAYER	B2e (500/750)	5D25	3D25	5D25
BOTTOM LAYER		3D25	5D25	3D25
STIRRUPS		D13-150	D13-150	D13-150
WEB REBAR		4D22	4D22	4D22
TOP LAYER	B2i (500/750)	5D29	3D29	5D29
BOTTOM LAYER		3D29	5D29	3D29
STIRRUPS		D13-100	D13-150	D13-100
WEB REBAR		4D25	4D25	4D25
TOP LAYER	B3e (600/750)	5D25	3D25	5D25
BOTTOM LAYER		3D25	5D25	3D25
STIRRUPS		D13-100	D13-150	D13-100
WEB REBAR		6D25	6D25	6D25
TOP LAYER	B3i (600/750)	5D29	3D29	5D29
BOTTOM LAYER		3D29	5D29	3D29
STIRRUPS		D13-50	D13-50	D13-50
WEB REBAR		6D25	6D25	6D25
TOP LAYER	B4 (750/900)	7D29	5D29	7D29
BOTTOM LAYER		5D29	7D29	5D29
STIRRUPS		D13-40	D13-40	D13-40
WEB REBAR		6D29	6D29	6D29
TOP LAYER	BA (450/600)	5D25	3D25	5D25
BOTTOM LAYER		3D25	5D25	3D25
STIRRUPS		D13-100	D13-150	D13-100
WEB REBAR		4D25	4D25	4D25
TOP LAYER	BT (450/500)	5D19	3D19	5D19
BOTTOM LAYER		3D19	5D19	3D19
STIRRUPS		D13-150	D13-150	D13-150
WEB REBAR		4D19	4D19	4D19
TOP LAYER	TB (800/800)	5D29	5D29	5D29
BOTTOM LAYER		5D29	5D29	5D29
STIRRUPS		D13-150	D13-150	D13-150
WEB REBAR		4D29	4D29	4D29



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Fakultas Teknik
Universitas Katolik Soegijapranata
Semarang

Description

Tugas Akhir
Hotel SS

Rekap Detail Balok

Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno

S-DTL-RBL

Scale

POTONGAN	fc' = 33,2 MPa _ fy = 400 MPa _ fys = 240 MPa		POTONGAN	fc' = 33,2 MPa _ fy = 400 MPa _ fys = 240 MPa		POTONGAN	fc' = 33,2 MPa _ fy = 400 MPa _ fys = 240 MPa			
	DIMENSI			900 / 900			DIMENSI		850 / 850	
	TUL UTAMA			24D29			TUL UTAMA		24D29	
	SENGKANG	D13-150		D13-150	SENGKANG		D13-150	D13-150	SENGKANG	D13-150
POSISI	TUMPUAN	LAPANGAN	POSISI	TUMPUAN	LAPANGAN	POSISI	TUMPUAN	LAPANGAN		
TYPE	KS1		TYPE	KS2		TYPE	KS3			
POTONGAN	fc' = 33,2 MPa _ fy = 400 MPa _ fys = 240 MPa		POTONGAN	fc' = 33,2 MPa _ fy = 400 MPa _ fys = 240 MPa						
	DIMENSI			750 / 750			DIMENSI		600 / 600	
	TUL UTAMA			24D29			TUL UTAMA		24D25	
	SENGKANG	D13-150		D13-150	SENGKANG		D13-100	D13-100		
POSISI	TUMPUAN	LAPANGAN	POSISI	TUMPUAN	LAPANGAN					
TYPE	KS4		TYPE	KT						



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Fakultas Teknik
Universitas Katolik Soegijapranata
Semarang

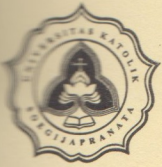
Description

Tugas Akhir
Hotel SS

Rekap Detail Kolom	
Project number	0003
Date	9 Agustus 2020
Drawn by	Liauw Wiwik Harjanti & Michael Hendrawan
Checked by	Ir. David Widiyanto & Ir. Widija Suseno
S-DTL-RKL	
Scale	



LAMPIRAN D



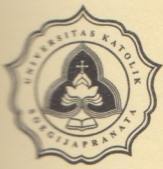
016/00/UNIKA/TS/R-QSR/III/07

Nama : Liauw Wiwik Harjenti
 : Michael Hendrawan
 MT Kuliah : TUGAS AKHIR
 Dosen : Ir. David Widianto, MT.
 Asisten :
 Dimulai :
 Selesai :
 NIM : 15.81.0001
 Semester : 16.81.0009.
 Dosen Wali :
 Nilai :

NO	TANGGAL	KETERANGAN	PARAF
1.	20 Maret 2020	Asis Gambar : - Tambah Luasan - Tambah Shearwall - Perbaikan balok - Cek as bangunan - Denah letak bangunan	
2.	13 April 2020	- Penentuan Pelat - Shearwall rebro - Dinding di atas balok, pakai habel - RC lift - kolom sp-column. - Tidak usah pushover - KT, perencanaan, r/diam > 20cm. - Tulangan beton & Pump D12-150.	
3.	7 Mei 2020	- Tambah balok kolom shear lift - TB tipe 1, tempat balok arah. - As balok dan kolom	
4.	14 Mei 2020	- Dinding basement. - Brosur lift - Penentuan mutu struktur - Gambar OH, meyeru BELTA, daftar proposal.	
5.	27 Mei 2020	Pumus yg tidak dipakai tidak usah dicantumkan.	
6.	3 Juni 2020.	Proposal ACC, boleh menyru Sidang Proposal.	

Semarang, 3-6-2020
 Dosen/Asisten

Ir. David Widianto, MT



016/00/UNIKA/TS/R-QSR/III/07

Nama : Liauw Wiwili Harjani
 Michael Hendrawan
 MT Kuliah : TUGAS AKHIR
 Dosen : Ir. David Widiyanto, MT
 Asisten :
 Dimulai :
 Selesai :

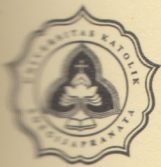
NIM : 15. 81.0001
 16. 81.0009
 Semester :
 Dosen Wali :
 Nilai :

NO	TANGGAL	KETERANGAN	PARAF
7.	25-6-20	- Gambar grup betulan	<i>dw</i>
8	29-6-20	- Hasil Perhit grup dan output di menuin	<i>dw</i>
9	2-7-20	- kerangka gambar detail	<i>dw</i>
10	8-7-20	- Perbaikan log	<i>dw</i>
11	20-7-20	- Gambar kerangka detail	<i>dw</i>
12	7-8-20	- gambar telapak & perbaikan	<i>dw</i>
13	4-9-20	- No seri & betulan	<i>dw</i>
14	7-9-20	- Perhit beton & gambar kerangka detail	<i>dw</i>
15.	9-9-20	- Ase bolon magister Draft	<i>dw</i>

Semarang, 9-9-2020

Dosen/ Asisten
David Widiyanto

Ir. David Widiyanto, MT



016/00/UNIKA/TS/R-QSR/III/07

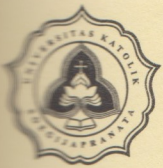
Nama : Liauw Wiwik Harjanti
 Michael Hendrawan
 MT Kuliah : TUGAS AKHIR
 Dosen : Ir. Widija Suseno, M.T., IPU

NIM : 15.81.0001
 16.81.0009.
 Semester :
 Dosen Wali :
 Nilai :

NO	TANGGAL	KETERANGAN	PARAF
1.	26 Mei 2020	<ul style="list-style-type: none"> - schedule data bulangan mengolah data apa? - Hal 73 no. 11 terdapat memenuhi syarat, melenyapkan? - Gambar gedung yg direncanakan mana? - Banyak menulis? yg masih kosong - Banyak materi blablablah data gambar dan beton yang ditulis ulang sampai 30 halaman untuk kepi atau file sudah sama sekali? - Hal. 31 nomor 9 Angketan masih salah - Masih ada salah ketik dan metodologi penulisan - Hal. 69 nomor masih kosong - Program yg akan dipelajari tidak dibahas detail, apa itu paku versi terbaru? - Secara garis besar sudah bagus, ada konsultasi dan mana? 	}
2.	31/5 2020.	<ul style="list-style-type: none"> - Shear wall - paku Es OBS versi baru - kelok beton - Metodologi penulisan. - proyek? sudah paku - flowchart diteliti. 	}
3.	5/6 2020.	<ul style="list-style-type: none"> - ACC dapat dimajukan proposal dengan perbaikan metodologi & salah ketik. 	}

Semarang, 5/6/20
 Dosen/ Asisten

Wiwik



016/00/UNIKA/TS/R-QSR/III/07

Nama : Liauw Wiwih Hartanti
 : Michael Hendrawan
 MT Kuliah : TUGAS AKHIR
 Dosen : Ir. Widitja Suseno, MT., IPU
 Asisten :
 Dimulai :
 Selesai :

NIM : 15.81.0001
 : 16.81.0009
 Semester :
 Dosen Wali :
 Nilai :

NO	TANGGAL	KETERANGAN	PARAF
4.	26/6/20	- Perhit Rasio Struktur di cek lagi dg penyusutan - Dasar ² perencanaan ulana ² plat all d dasabla dari SNI ² yg ada - lanjutkan dg box d dnt	f
5	1/7/20	- Perhit pondasi, pile cap, shear wall - RAB - lanjutkan	f
6	4/7/20	- perhit andiq geser dileyografi perhit ² comp - id pondasi + str ² yg menditup - pile cap + str ² kelayap	f
7	8/7/20	- perhit ² balok / kolom / pelat dg 3 Dimensi - Kesalahan tabel pelat - lanjutkan RAB	f
8	21/7/20	- str pemuleng - balok x kolom - perhit volume (sampling)	f
9	4/9/20	- cover Draft TA - lbr gndas dari Acc. - header folder di revisi - Tunj schedule penyelesaian TA di lapins	f
	9/9/20	- ACC dapat di demimarkan Draft	Wij

Semarang, 9/9/20
 Dosen/ Asisten

(Signature)