

LAMPIRAN

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

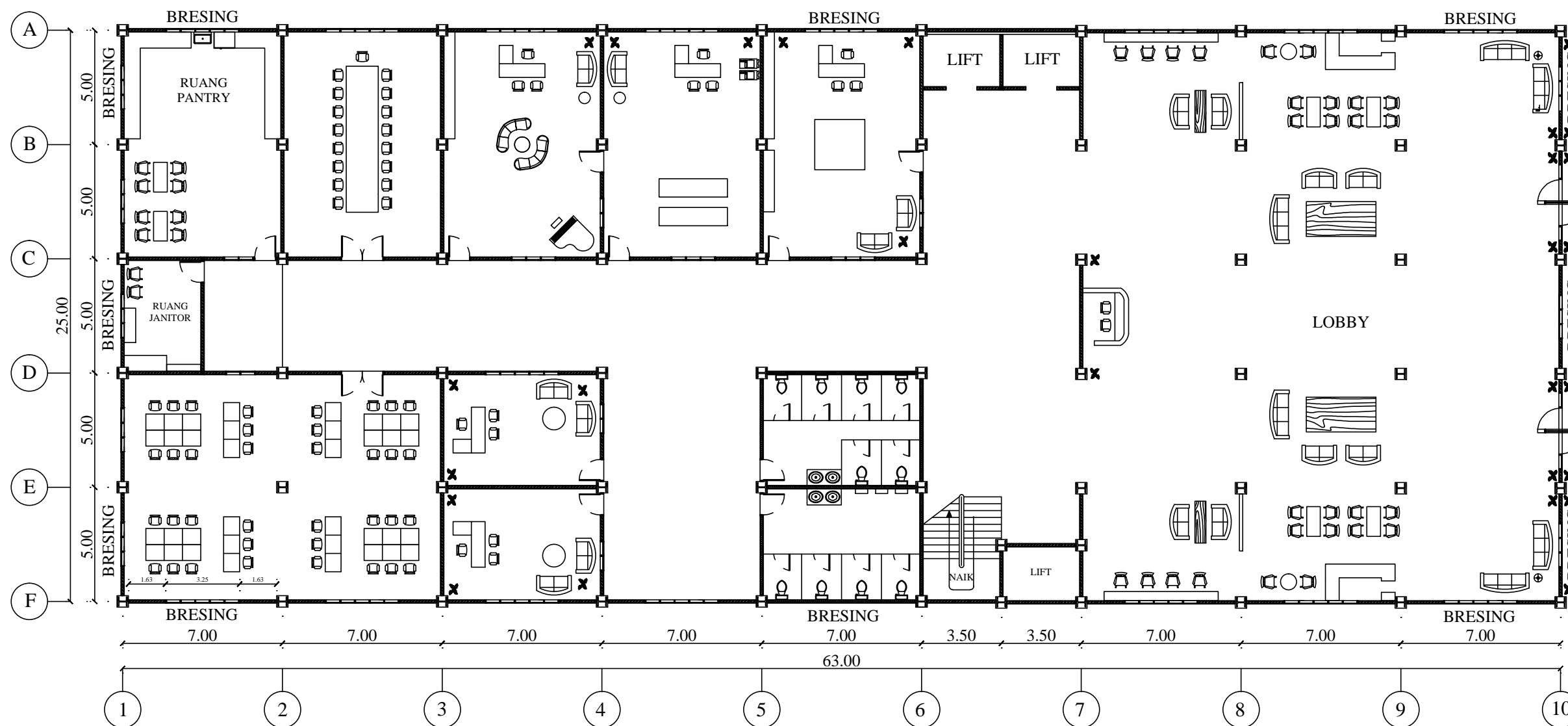
JUDUL GAMBAR :

Denah Lantai 1

SKALA : KODE GB : LEMBAR :

1 : 200

1



DENAH LANTAI 1

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

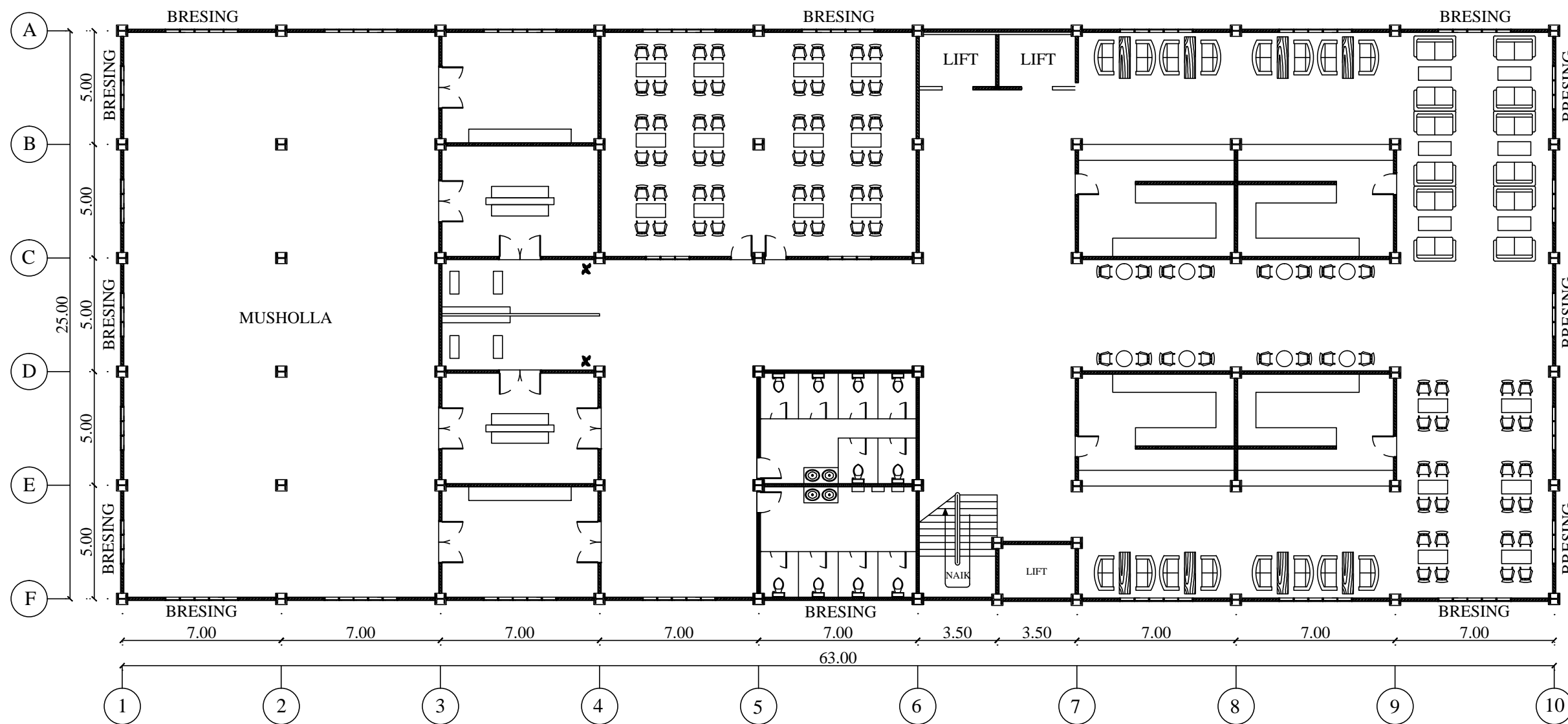
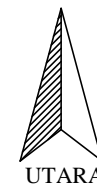
JUDUL GAMBAR :

Denah Lantai 2

SKALA : KODE GB : LEMBAR :

1 : 200

2



DENAH LANTAI 2

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

JUDUL GAMBAR :

Denah Lantai Tipikal

SKALA : KODE GB : LEMBAR :

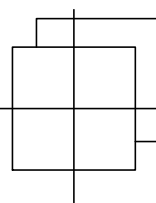
1 : 200

3



DENAH LANTAI TIPIKAL

SKALA 1 : 200



TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

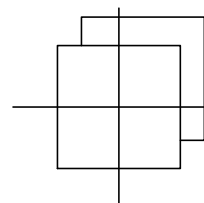
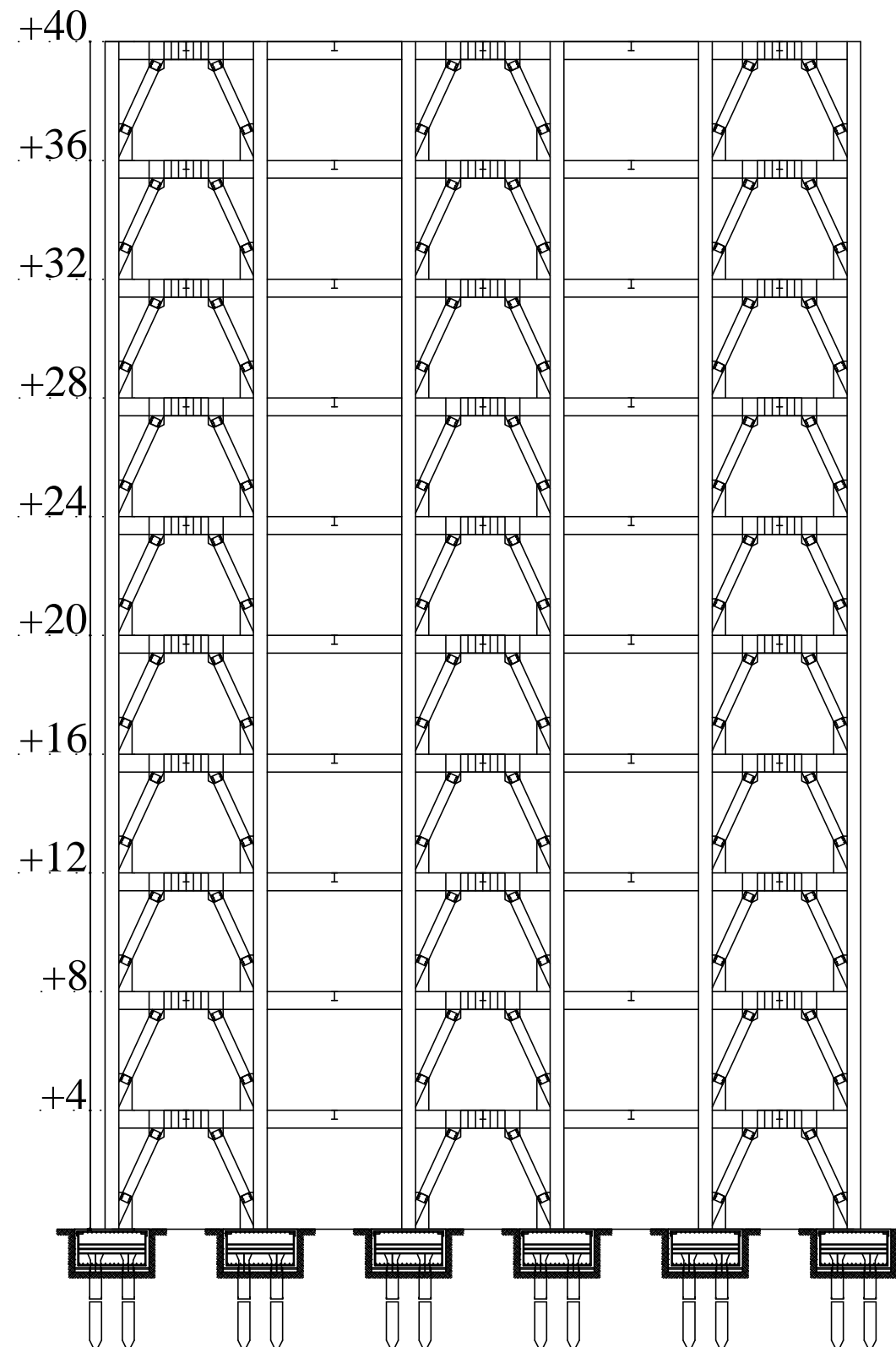
JUDUL GAMBAR :

Potongan Melintang

SKALA : KODE GB : LEMBAR :

1 : 200

4



POTONGAN MELINTANG

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

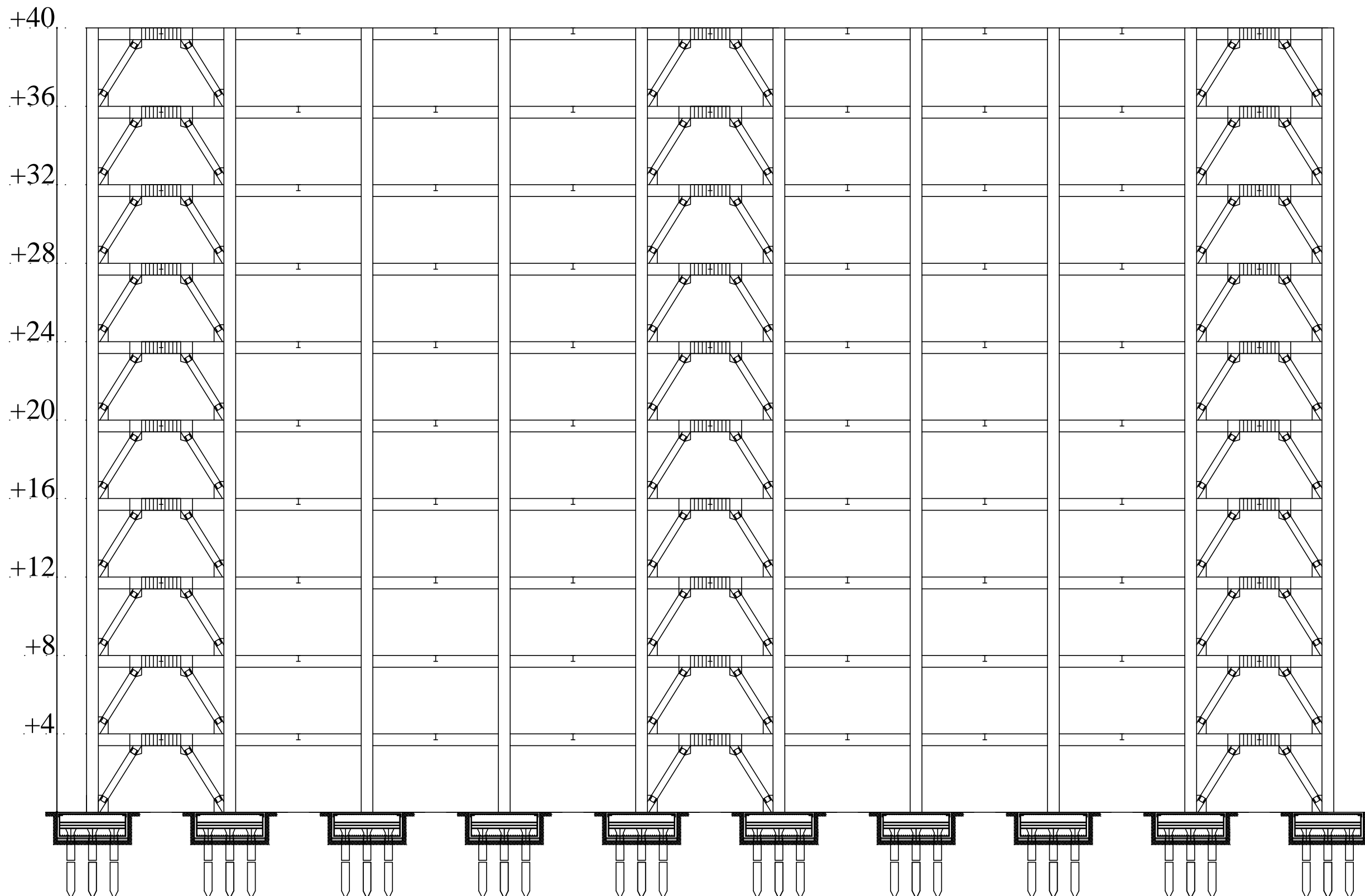
JUDUL GAMBAR :

Potongan Memanjang

SKALA : KODE GB : LEMBAR :

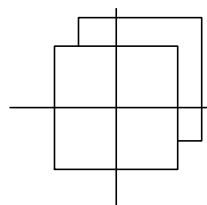
1 : 200

5



POTONGAN MEMANJANG

SKALA 1 : 200



TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

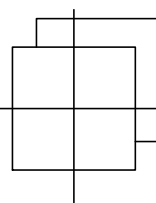
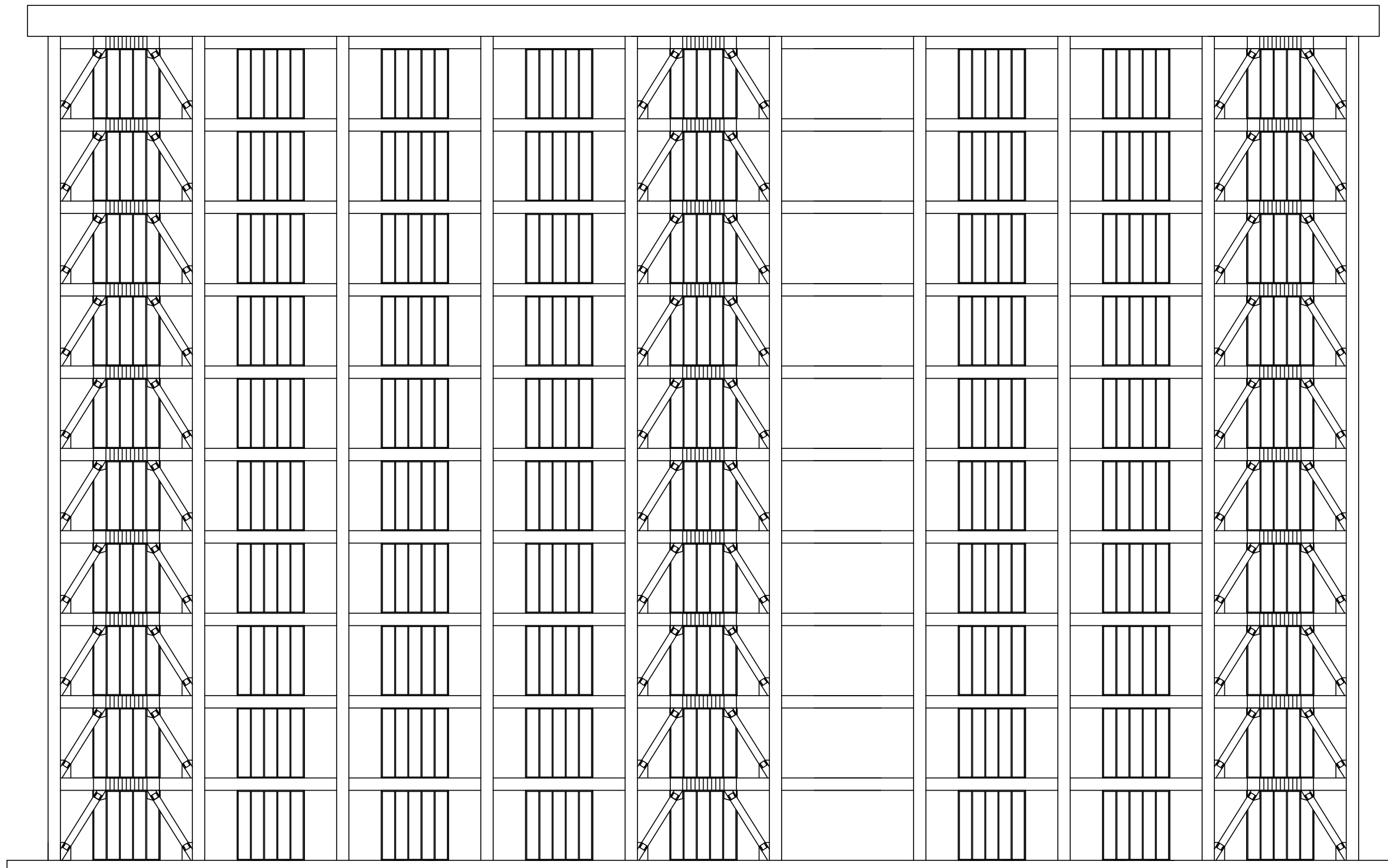
JUDUL GAMBAR :

Tampak Utara

SKALA : KODE GB : LEMBAR :

1 : 200

6



TAMPAK UTARA

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

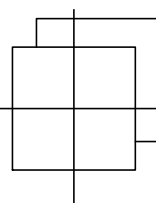
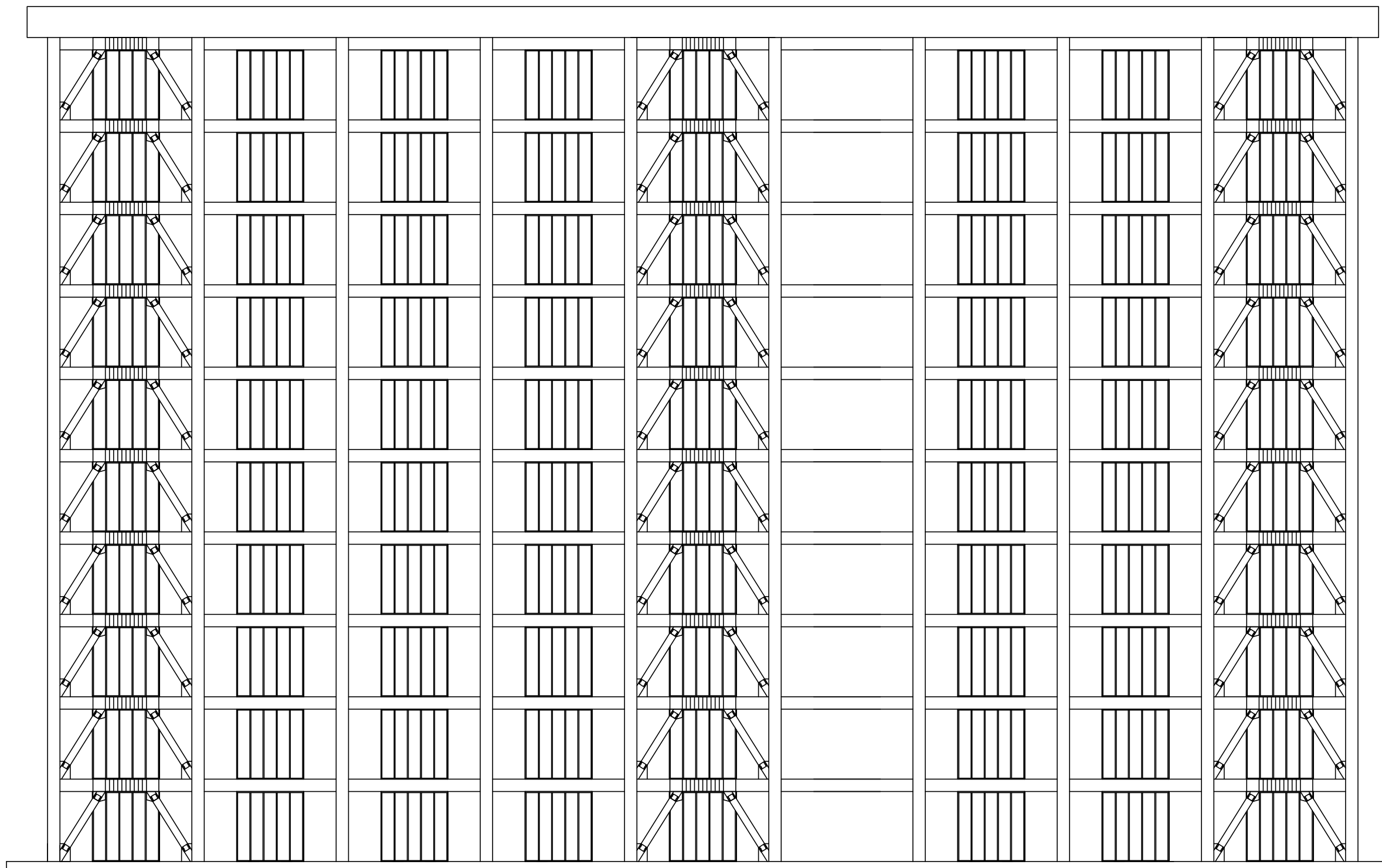
JUDUL GAMBAR :

Tampak Selatan

SKALA : KODE GB : LEMBAR :

1 : 200

7



TAMPAK SELATAN

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

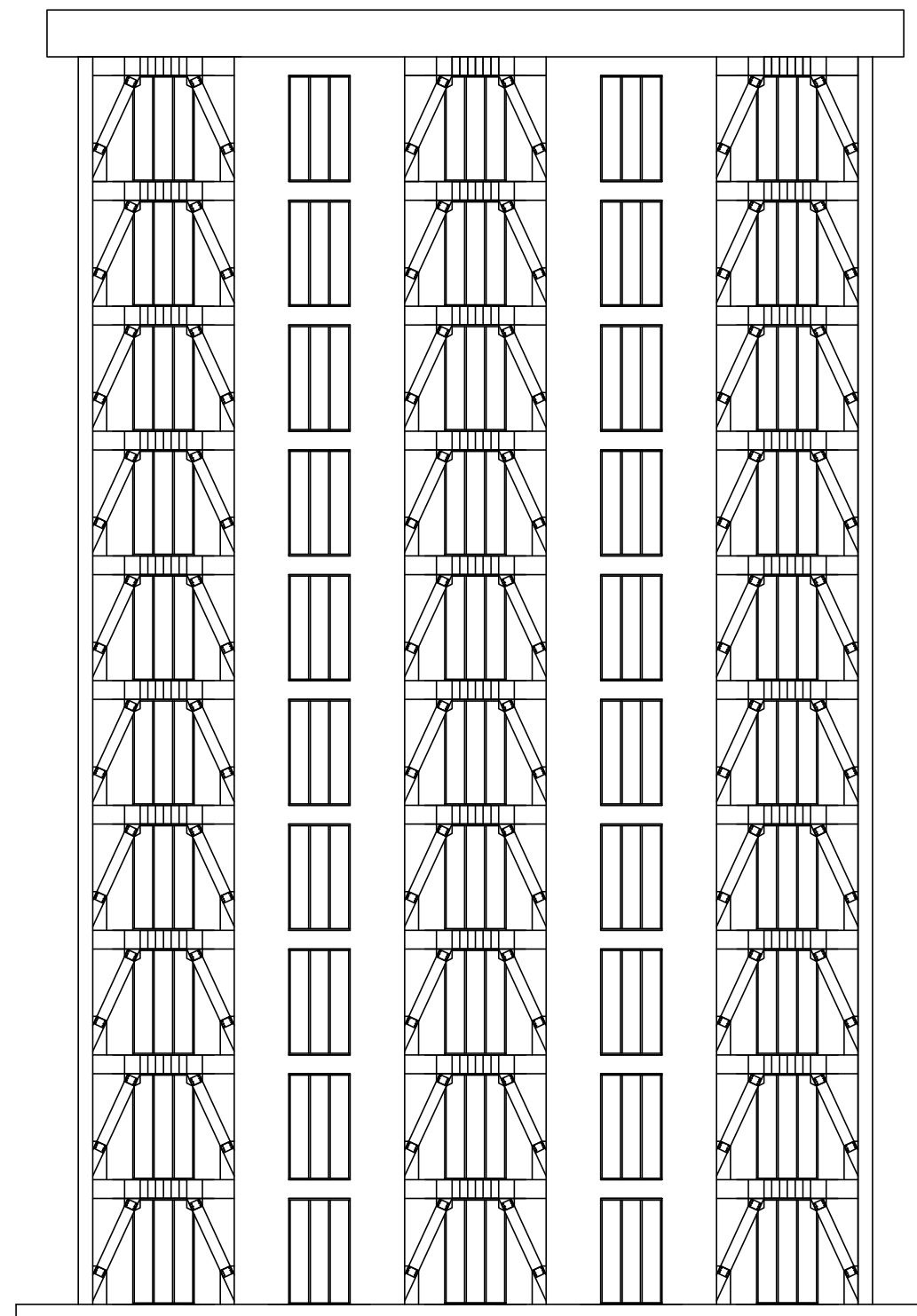
JUDUL GAMBAR :

Tampak Barat

SKALA : KODE GB : LEMBAR :

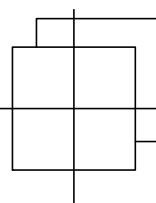
1 : 200

8



TAMPAK BARAT

SKALA 1 : 200



TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

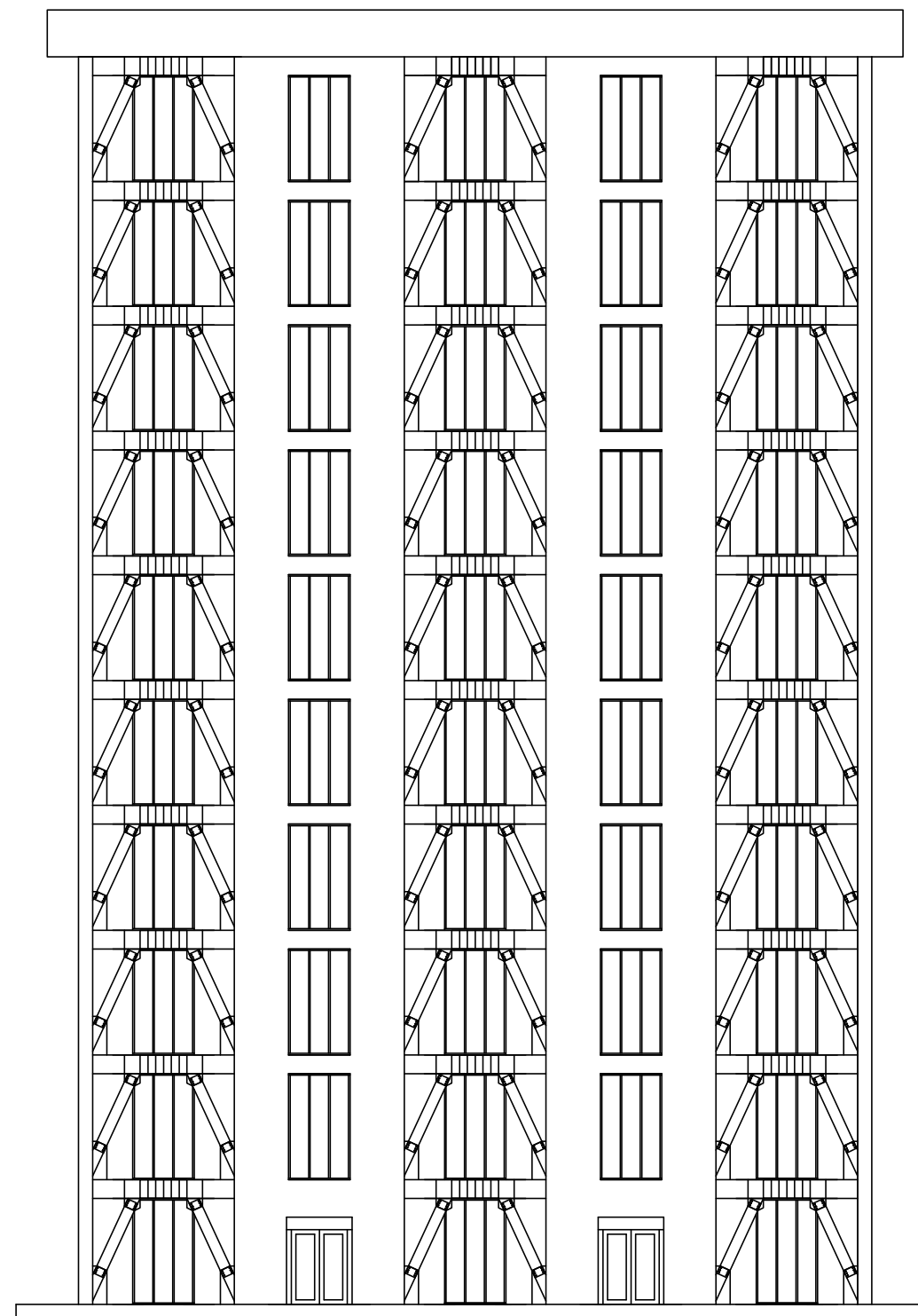
JUDUL GAMBAR :

Tampak Timur

SKALA : KODE GB : LEMBAR :

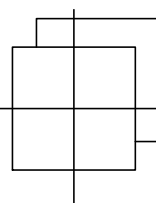
1 : 200

9



TAMPAK TIMUR

SKALA 1 : 200



TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

≡≡≡≡ Balok Induk

≡≡≡ Balok Anak

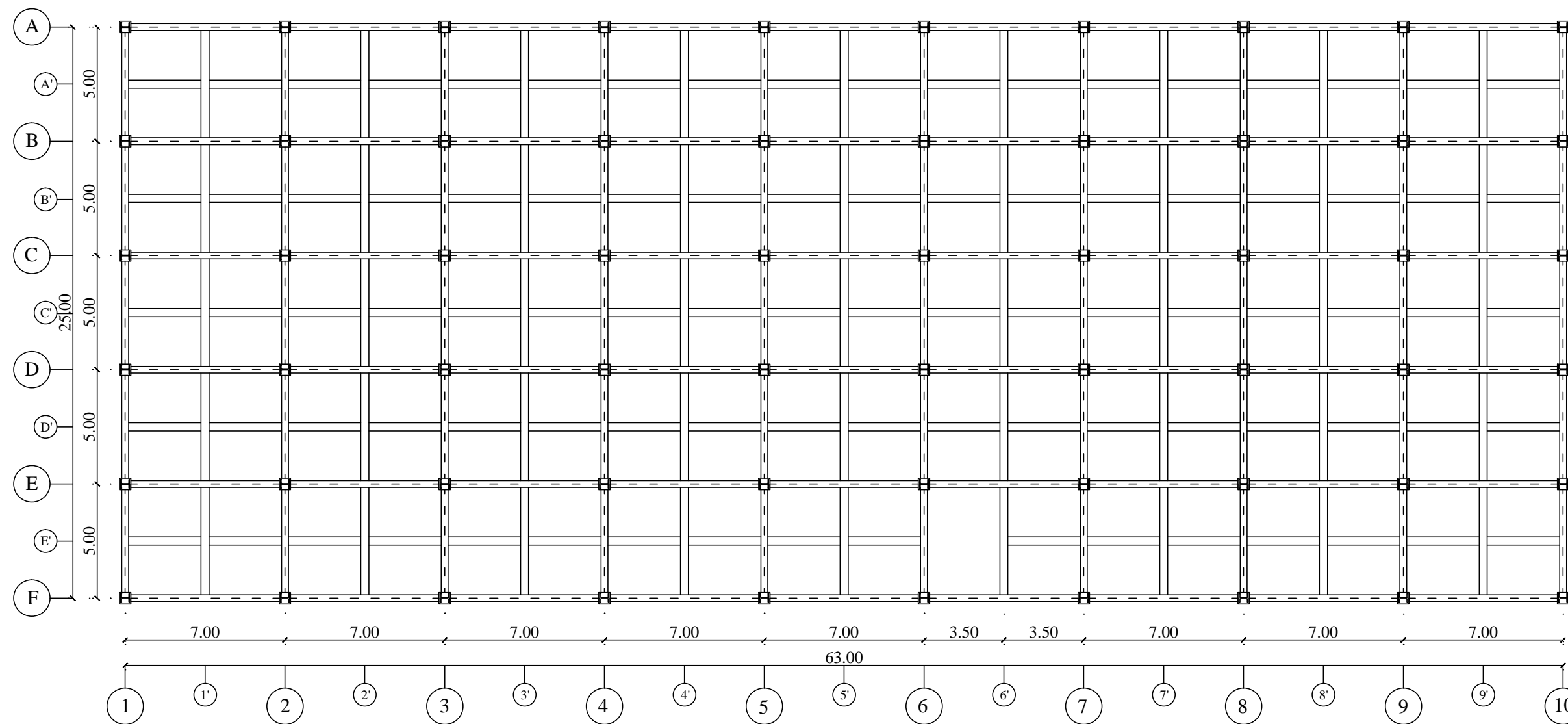
JUDUL GAMBAR :

Denah Balok dan Kolom

SKALA : KODE GB : LEMBAR :

1 : 200

10



DENAH BALOK & KOLOM
SKALA 1 : 200

TUGAS AKHIR



**UNIVERSITAS WIJAYA
KUSUMA SURABAYA**

**Fakultas Teknik
Program Studi Teknik Sipil**

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

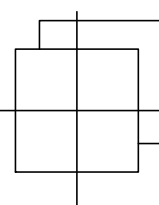
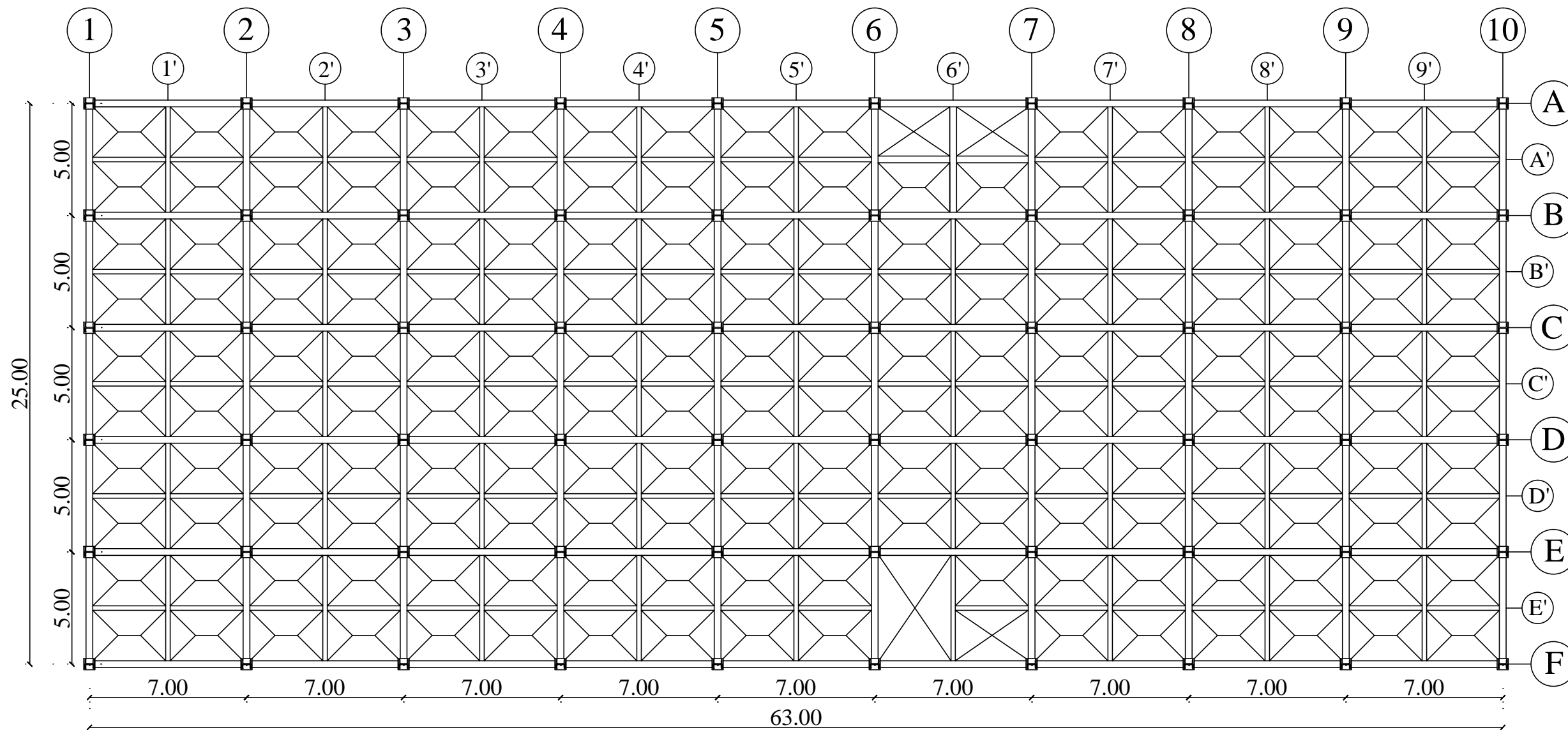
JUDUL GAMBAR :

**Denah Plat Ekuivalen
Atap dan Lantai**

SKALA : KODE GB : LEMBAR :

1 : 200

11



DENAH PLAT EKIVALEN ATAP DAN LANTAI

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

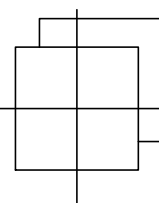
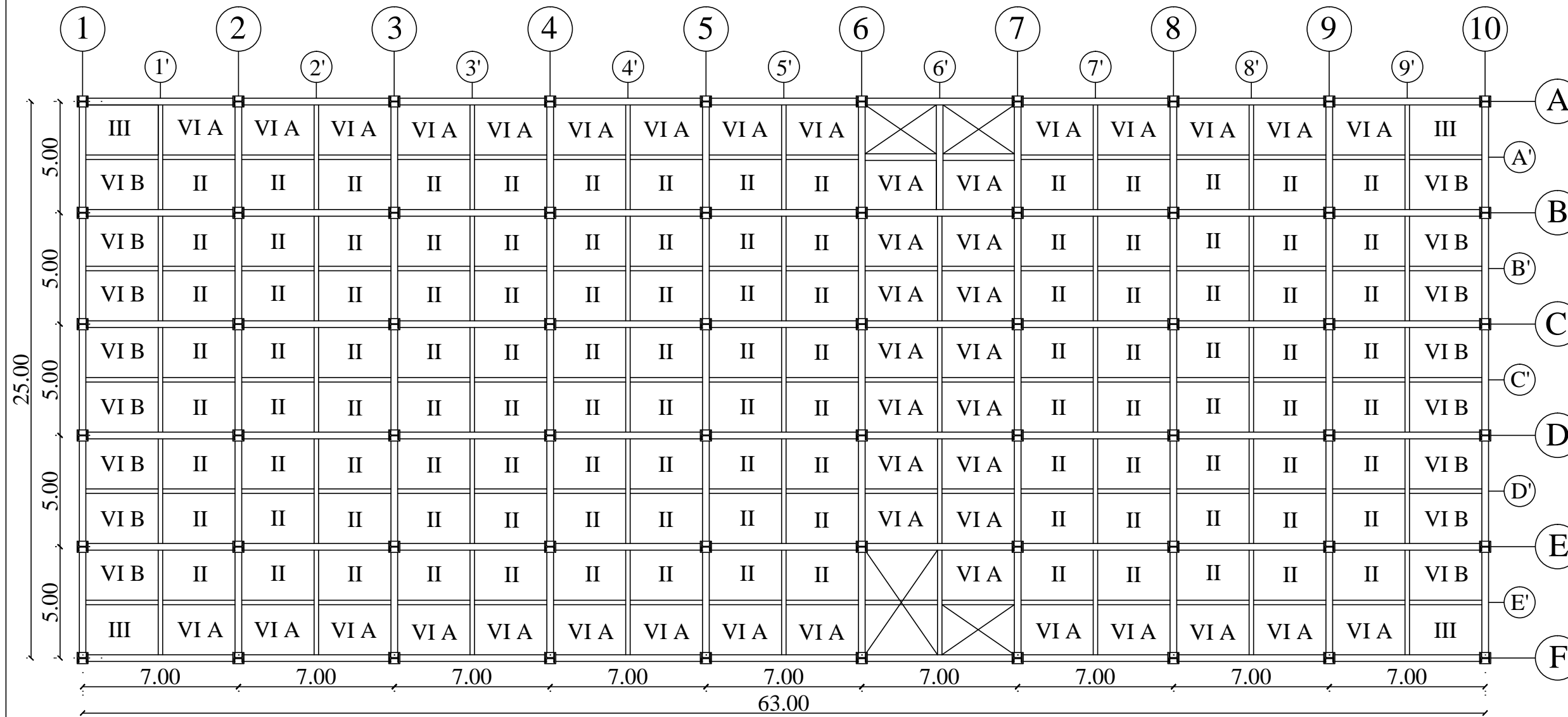
JUDUL GAMBAR :

Denah Tipe Plat
Atap dan Lantai

SKALA : KODE GB : LEMBAR :

1 : 200

12



DENAH TIPE PLAT ATAP DAN LANTAI

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

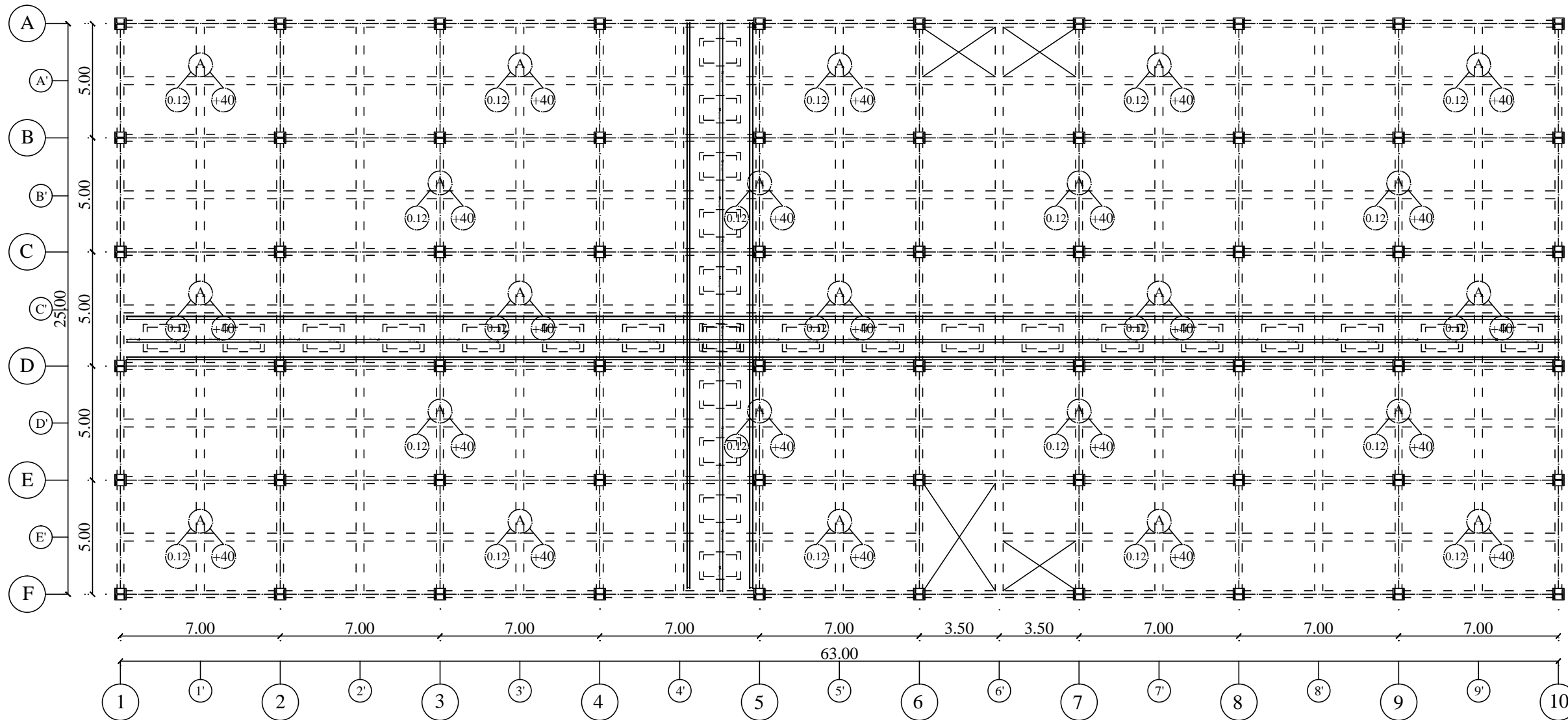
JUDUL GAMBAR :

Denah Penulangan Plat
Atap

SKALA : KODE GB : LEMBAR :

1 : 200

13



DENAH PENULANGAN PLAT ATAP

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

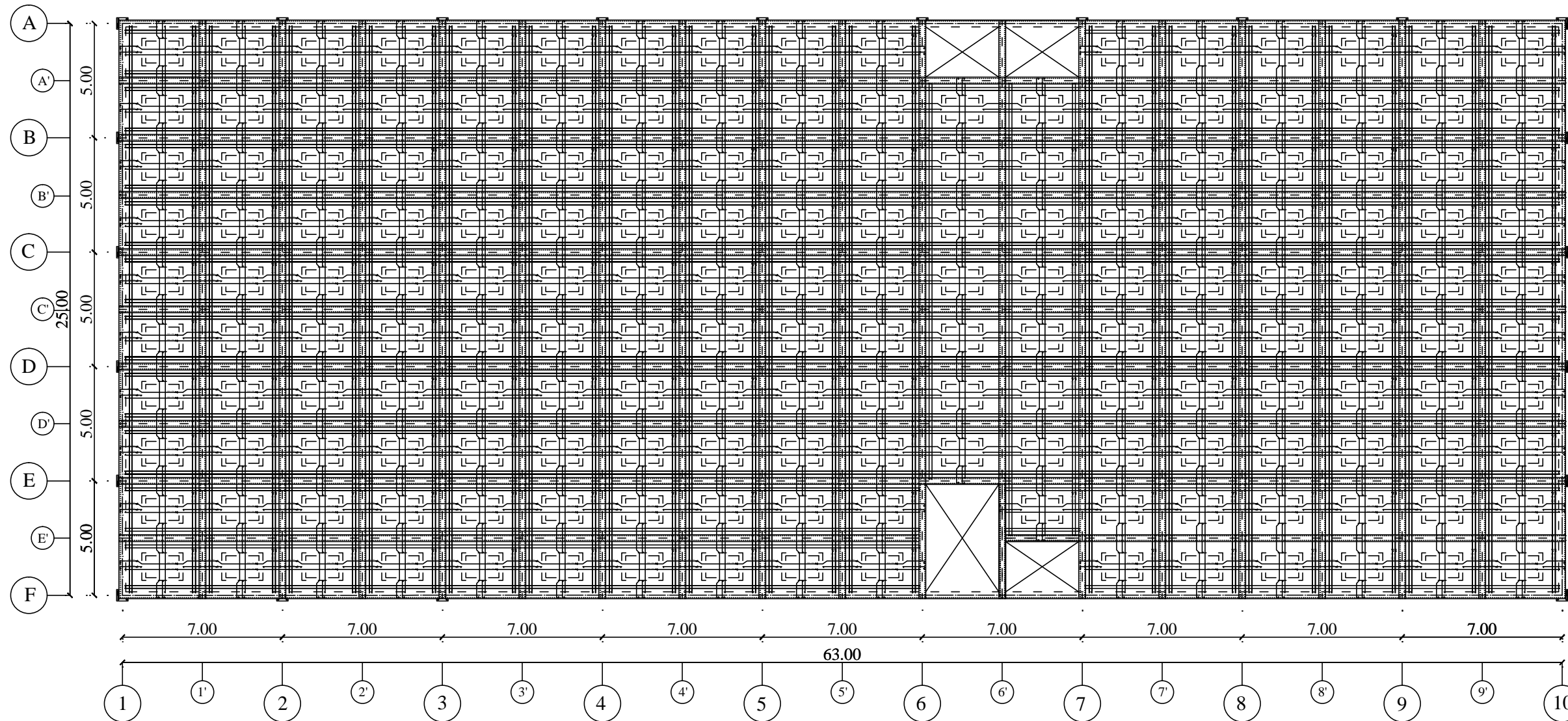
JUDUL GAMBAR :

Denah Penulangan Plat Lantai

SKALA : KODE GB : LEMBAR :

1 : 200

14



DENAH PENULANGAN PLAT LANTAI

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

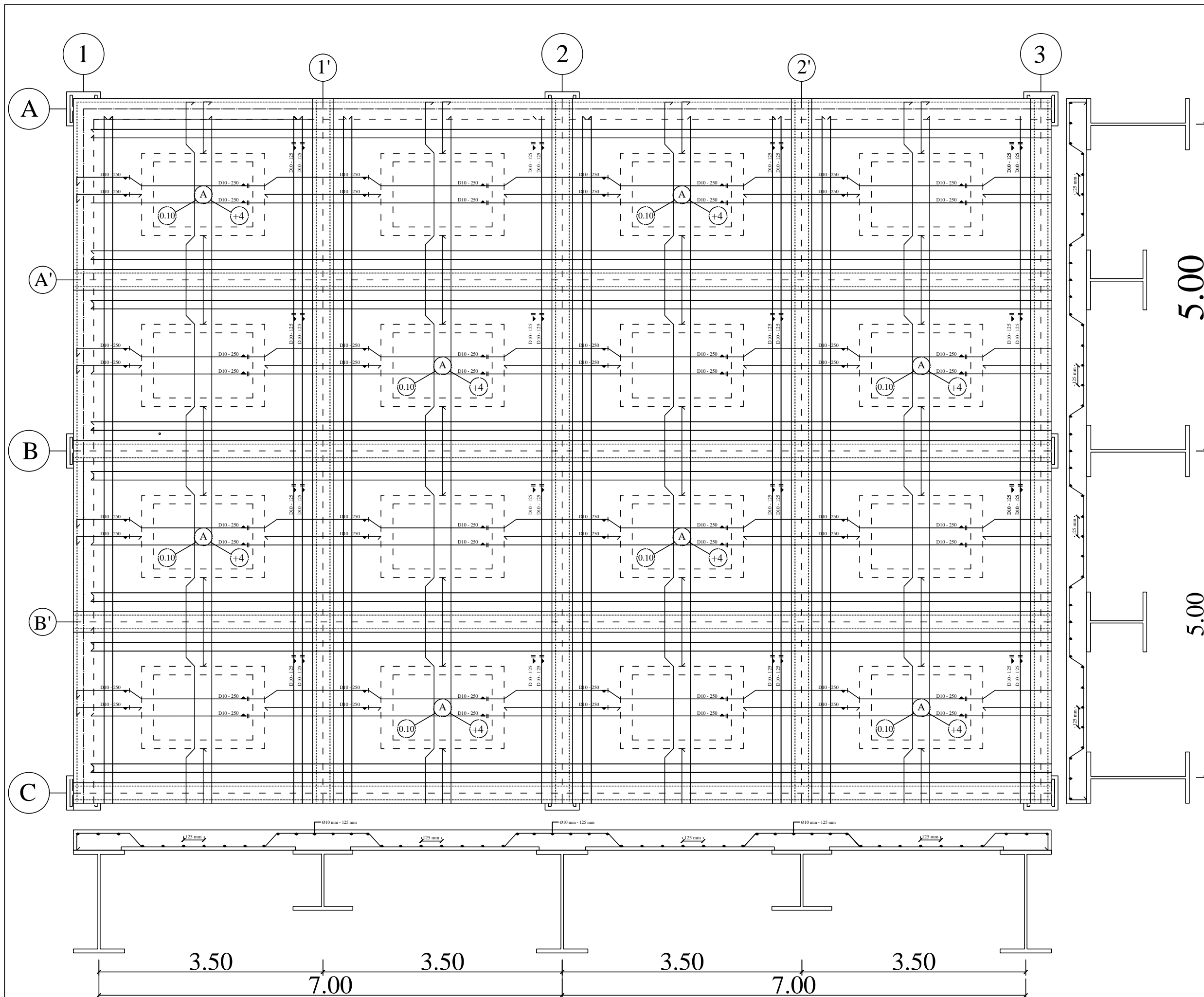
JUDUL GAMBAR :

Detail Penulangan Plat
Lantai

SKALA : KODE GB : LEMBAR :

1 : 200

15



TUGAS AKHIR



**UNIVERSITAS WIJAYA
KUSUMA SURABAYA**

**Fakultas Teknik
Program Studi Teknik Sipil**

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

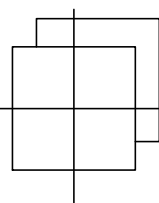
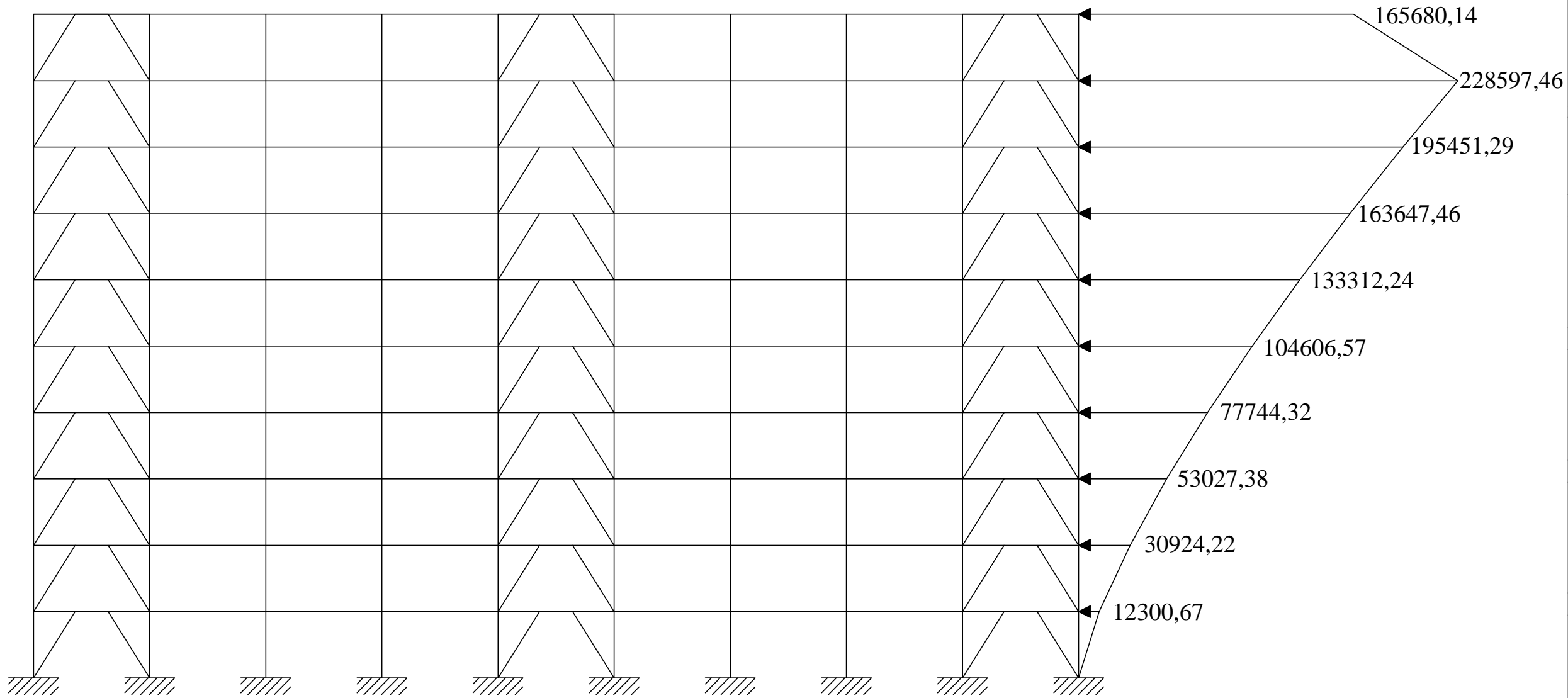
JUDUL GAMBAR :

Beban Gempa Arah X

SKALA : KODE GB : LEMBAR :

1 : 200

16



BEBAN GEMPA ARAH X

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

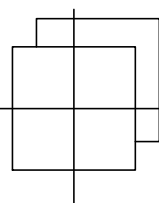
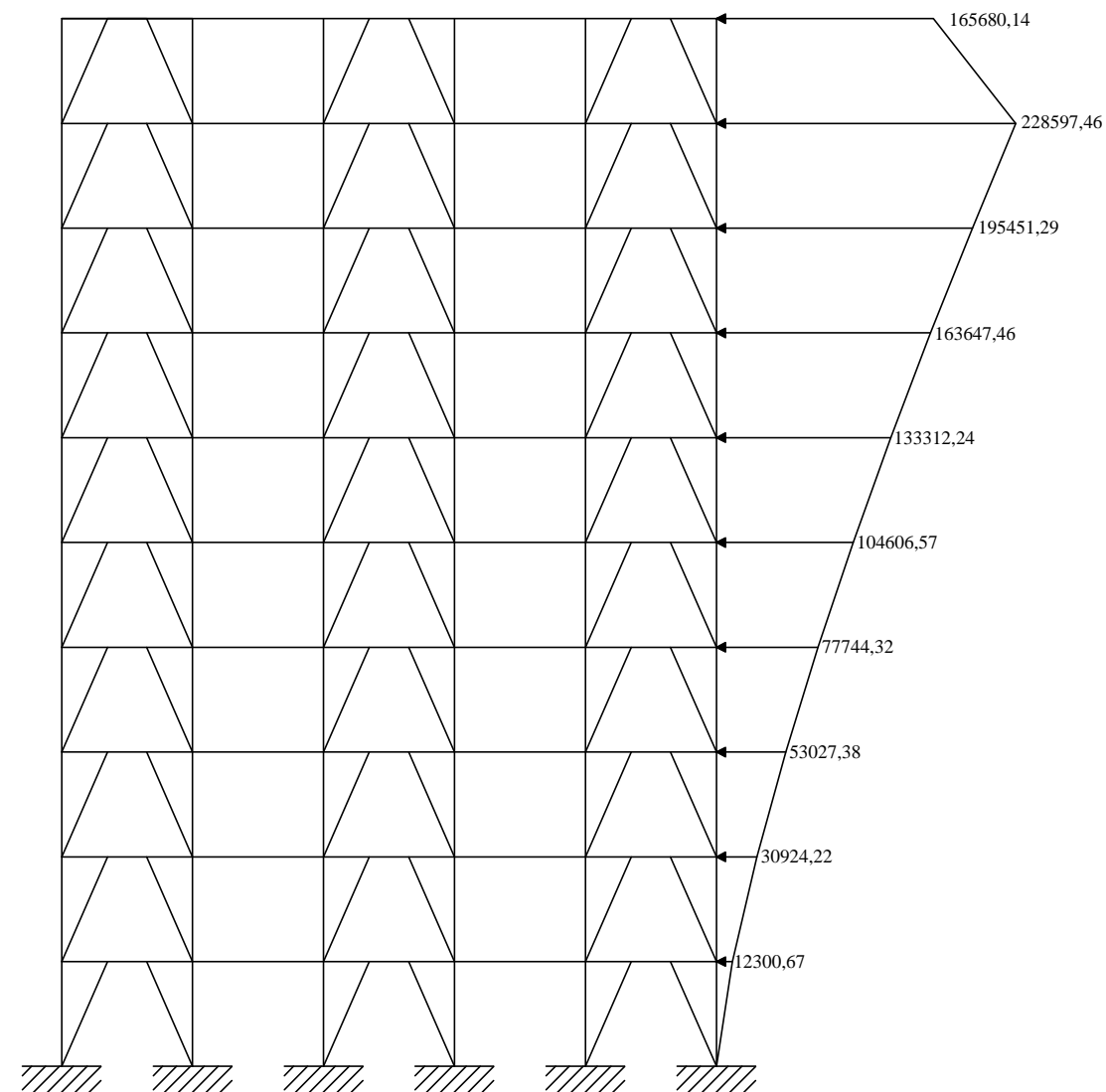
JUDUL GAMBAR :

Beban Gempa Arah Y

SKALA : KODE GB : LEMBAR :

1 : 200

17



BEBAN GEMPA ARAH Y

SKALA 1 : 200

TUGAS AKHIR



**UNIVERSITAS WIJAYA
KUSUMA SURABAYA**

**Fakultas Teknik
Program Studi Teknik Sipil**

LOKASI :

**JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA**

DOSEN PEMBIMBING :

**Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET**

DIGAMBAR OLEH :

**Lailatul Qiftiyah
20110022**

KETERANGAN :

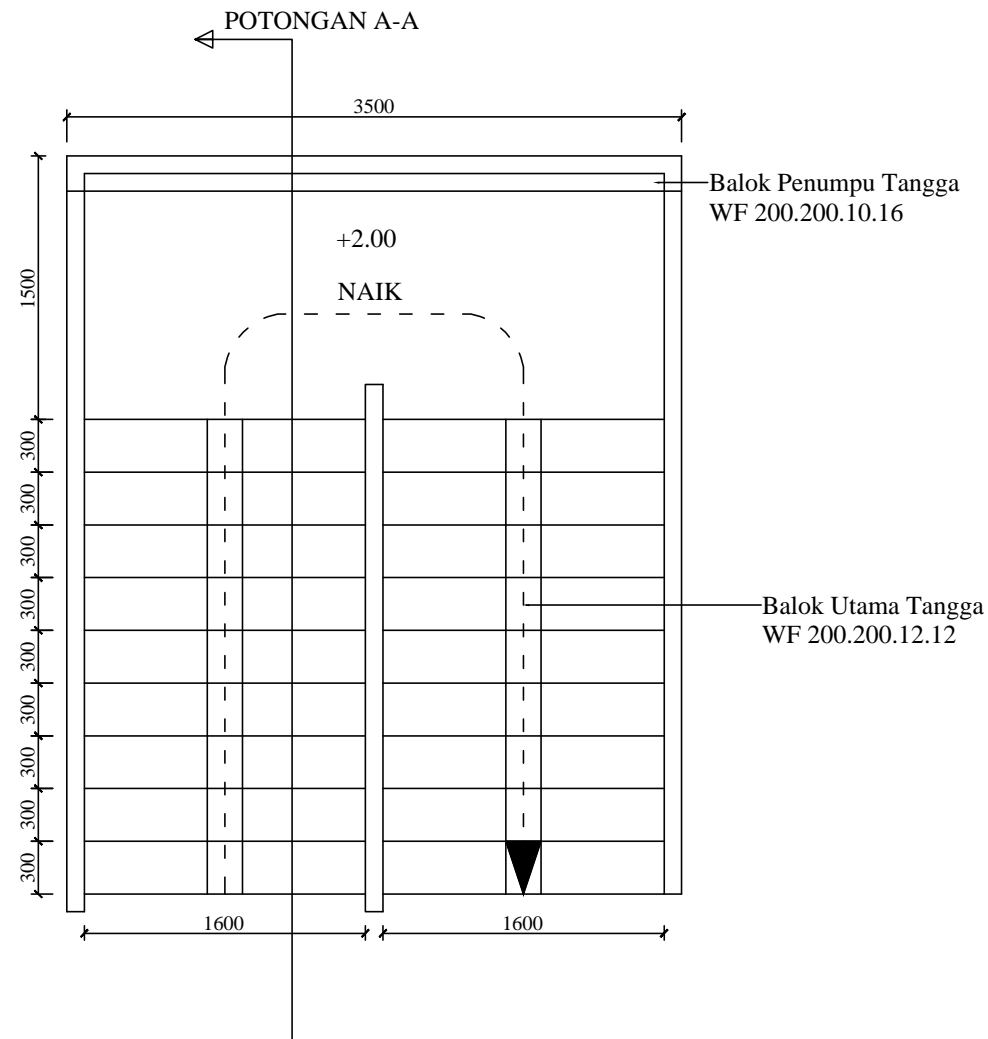
JUDUL GAMBAR :

**Denah Tangga dan
Potongan Tangga**

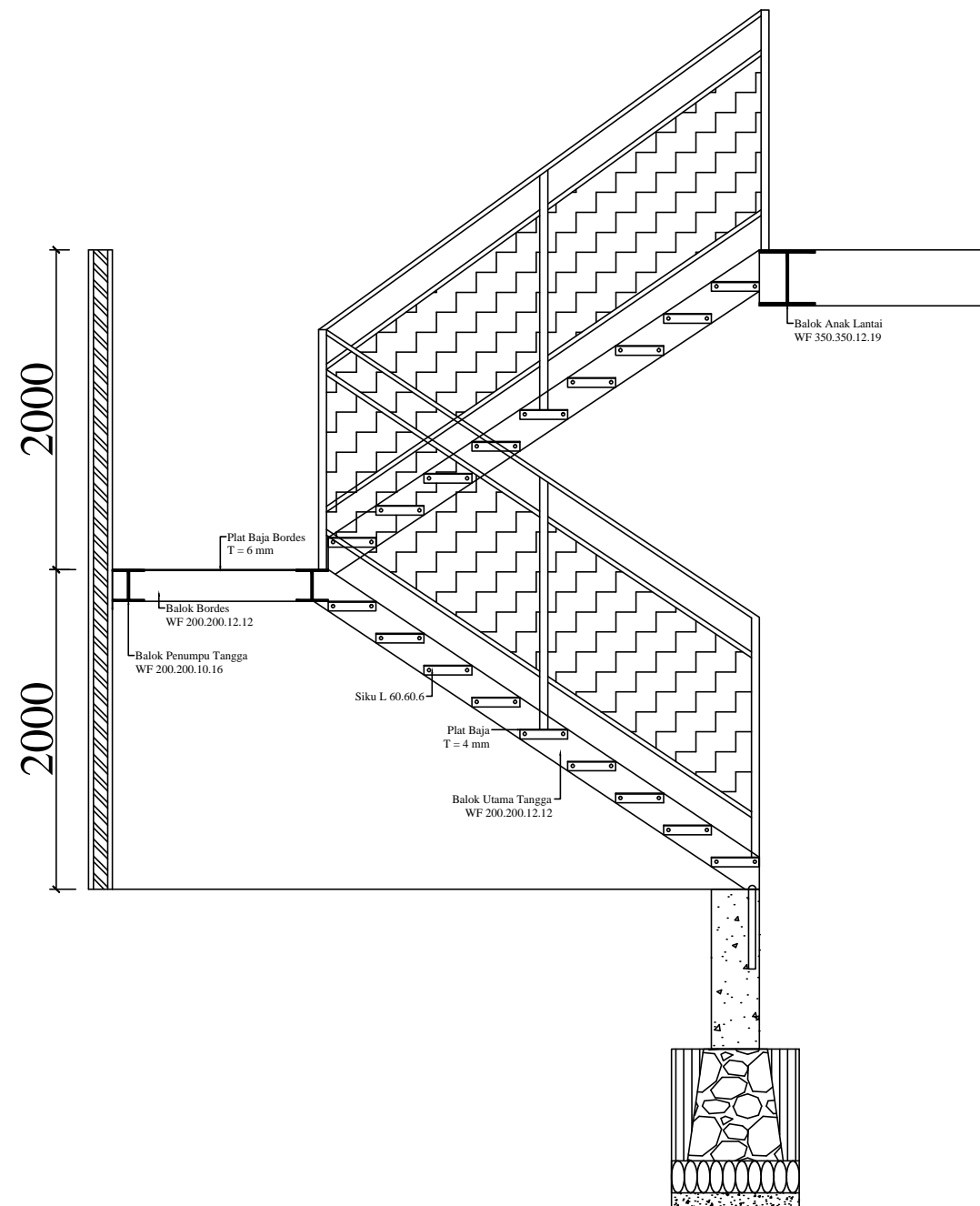
SKALA : KODE GB : LEMBAR :

1 : 200

18



DENAH TANGGA
SKALA 1 : 200



POTONGAN TANGGA
SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

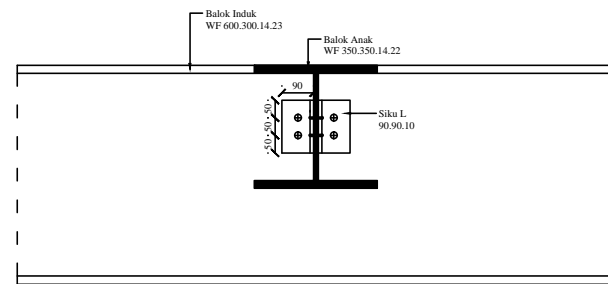
JUDUL GAMBAR :

Building Connection

SKALA : KODE GB : LEMBAR :

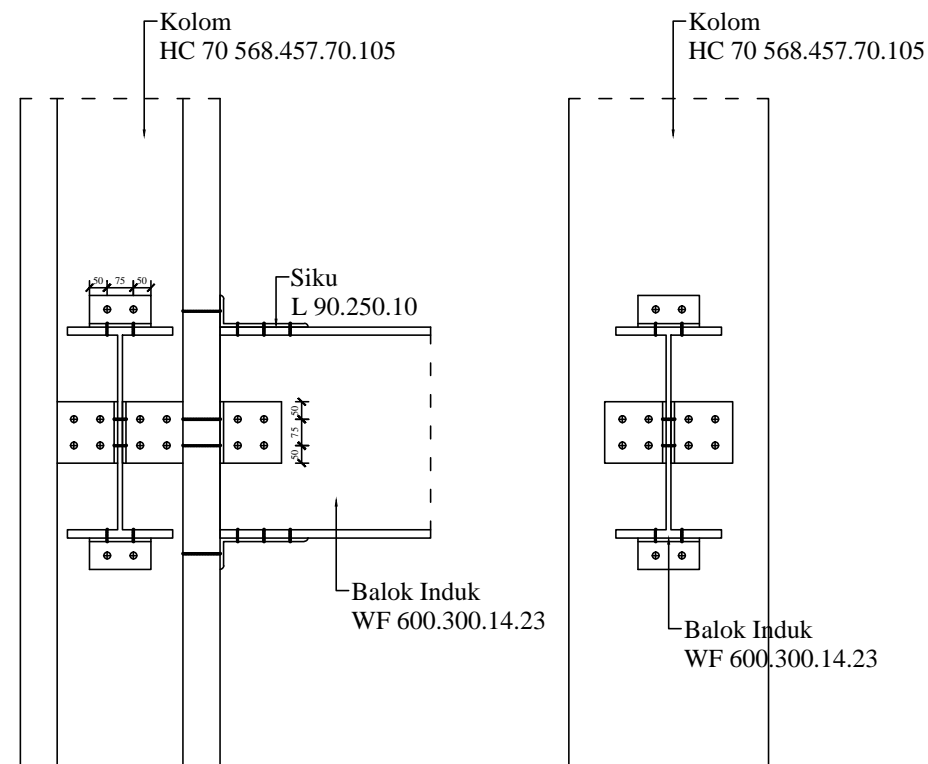
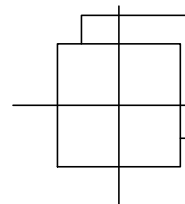
1 : 200

19



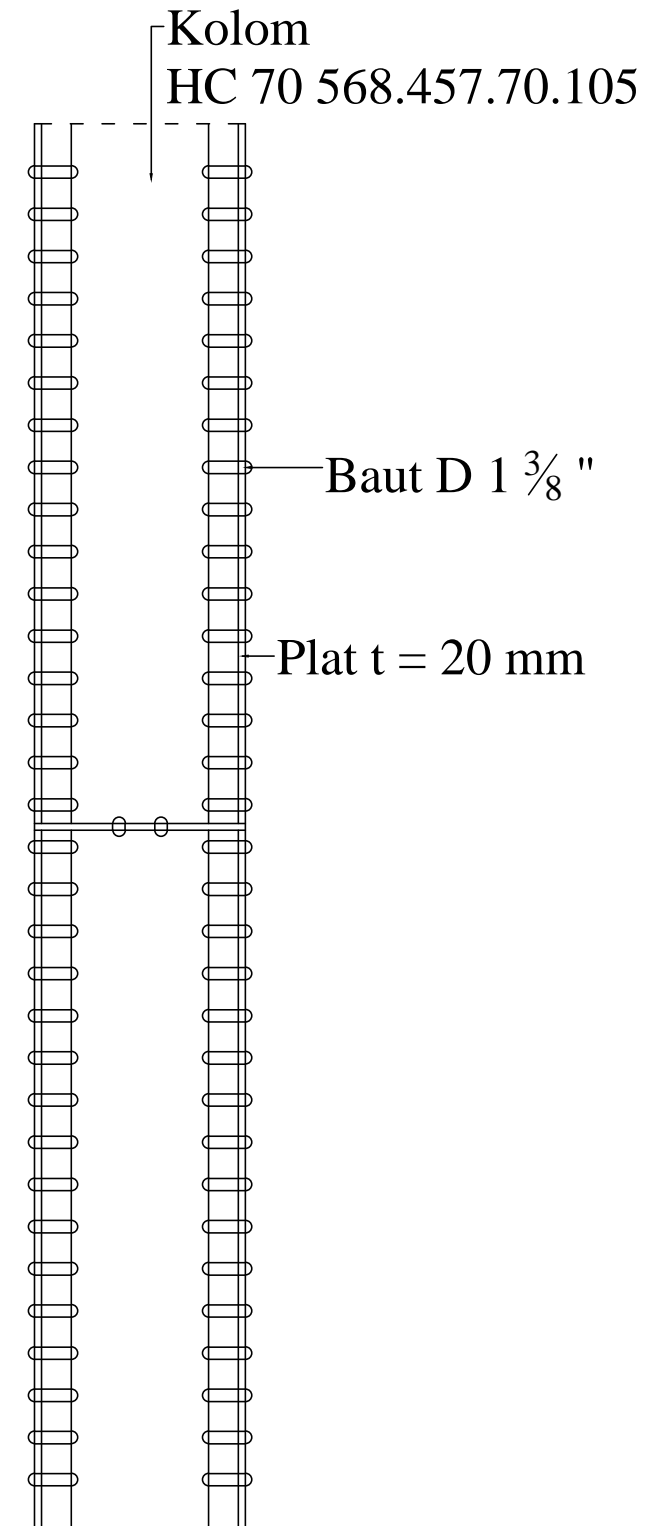
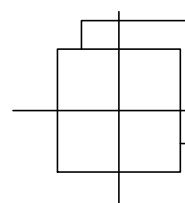
**SAMBUNGAN BALOK ANAK
DENGAN BALOK INDUK**

SKALA 1 : 20



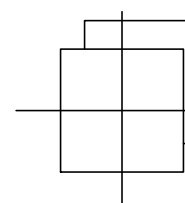
**SAMBUNGAN BALOK INDUK
DENGAN KOLOM**

SKALA 1 : 20



**SAMBUNGAN KOLOM
DENGAN KOLOM**

SKALA 1 : 20



TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

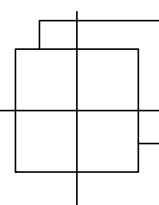
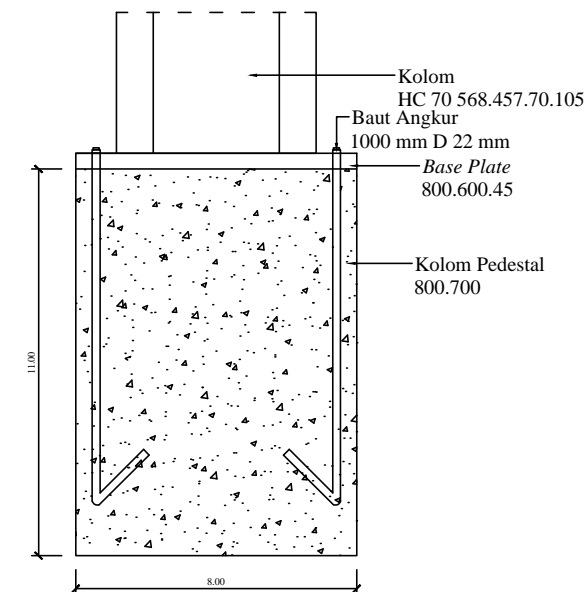
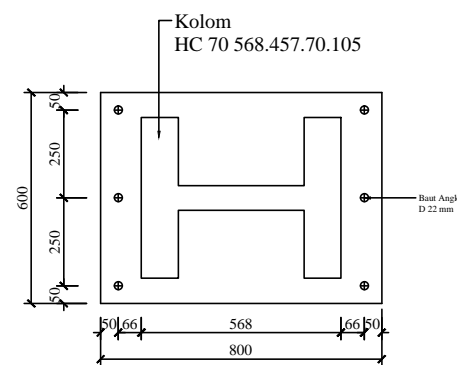
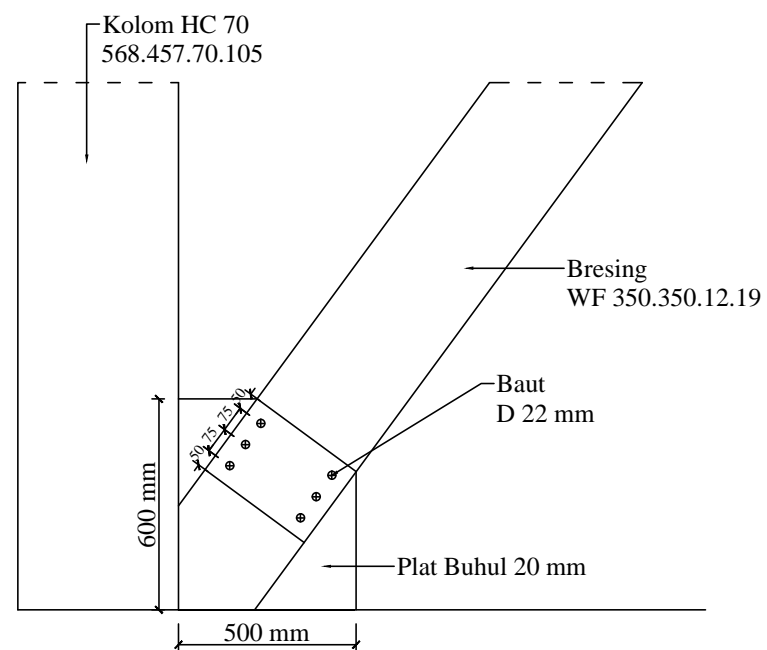
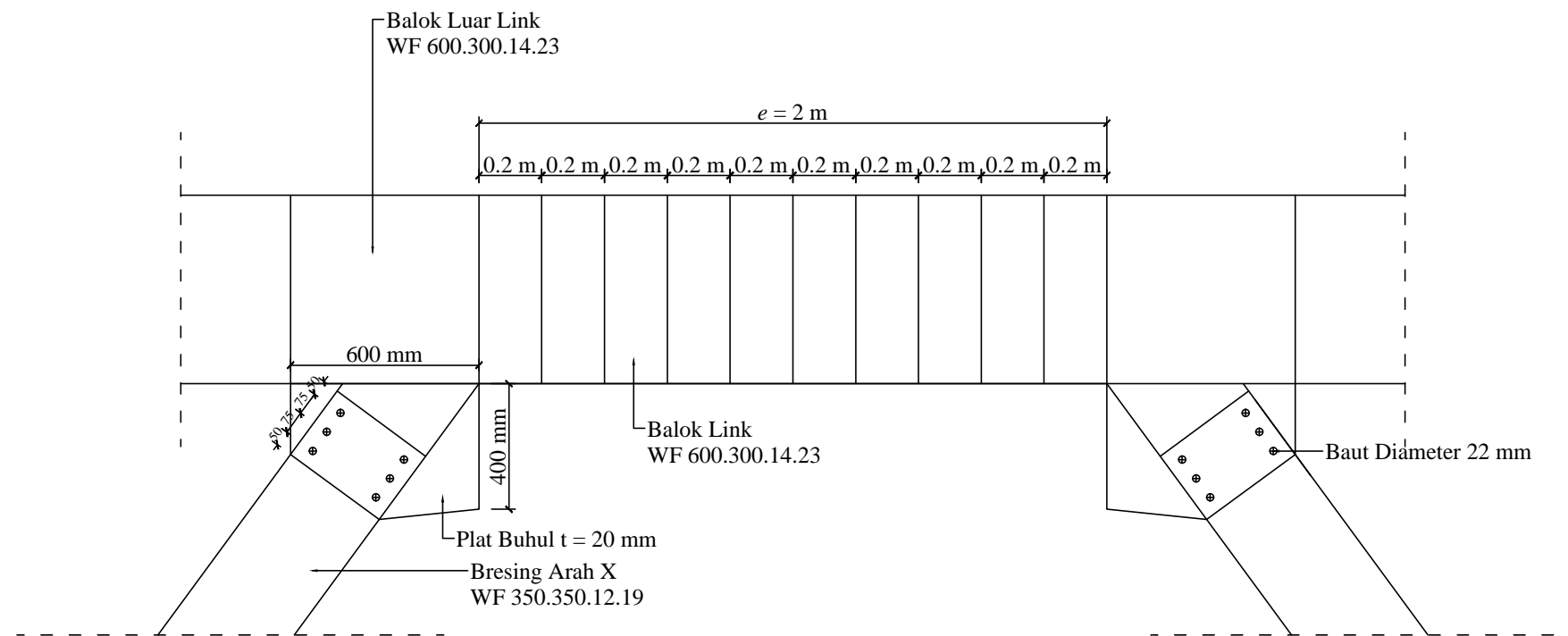
JUDUL GAMBAR :

Sambungan Bresing,
Base Plate, dan Kolom
Pedestal

SKALA : KODE GB : LEMBAR :

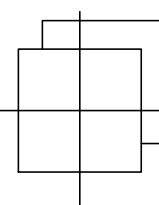
1 : 200

20



SAMBUNGAN BRESING

SKALA 1 : 20



BASE PLATE DAN KOLOM PEDESTAL

SKALA 1 : 20

TUGAS AKHIR



**UNIVERSITAS WIJAYA
KUSUMA SURABAYA**

**Fakultas Teknik
Program Studi Teknik Sipil**

LOKASI :

**JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA**

DOSEN PEMBIMBING :

**Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET**

DIGAMBAR OLEH :

**Lailatul Qiftiyah
20110022**

KETERANGAN :

———— Sloof Tipe 1
 ≡≡≡ Sloof Tipe 2

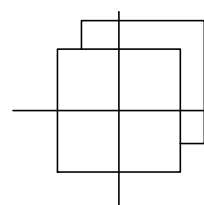
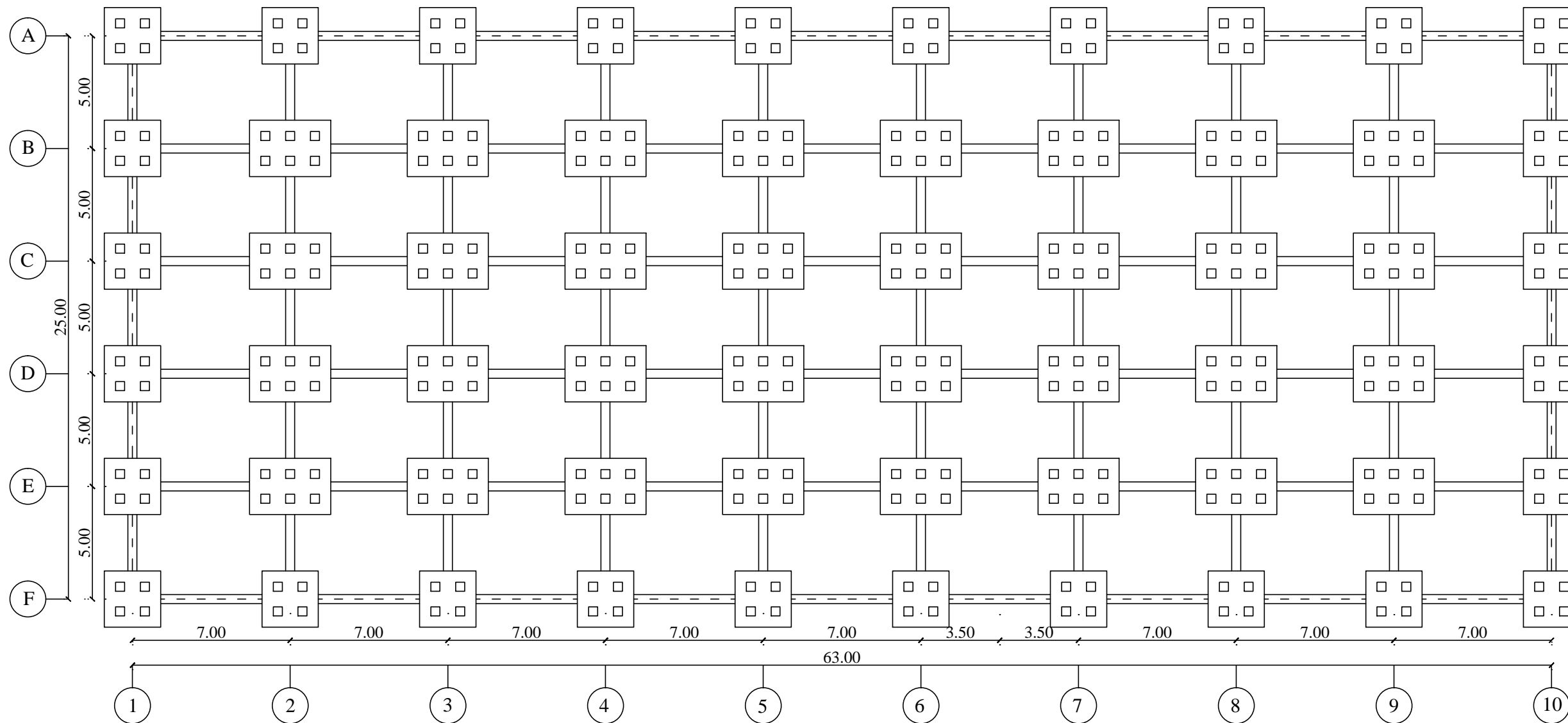
JUDUL GAMBAR :

**Denah Sloof dan
Pondasi**

SKALA : KODE GB : LEMBAR :

1 : 200

21



DENAH SLOOF DAN PONDASI

SKALA 1 : 200

TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

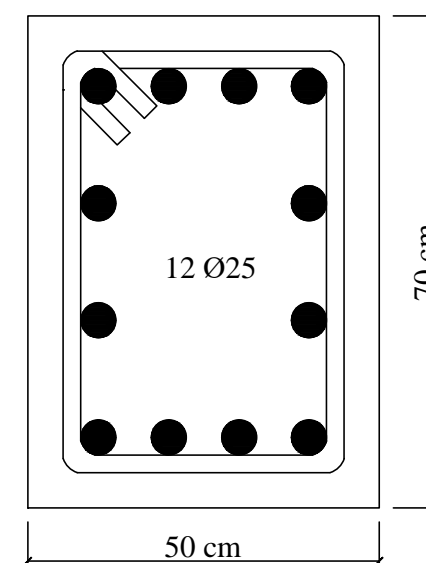
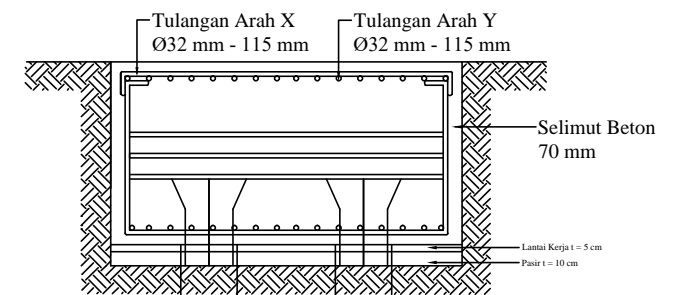
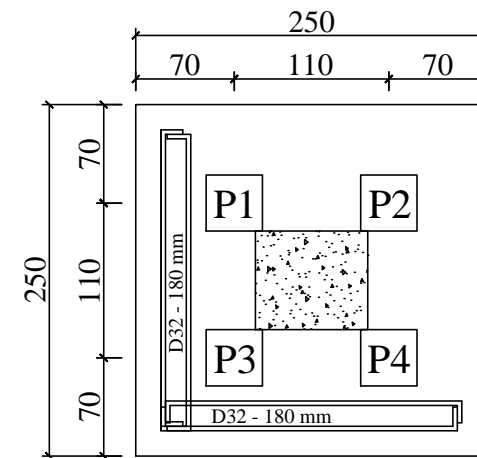
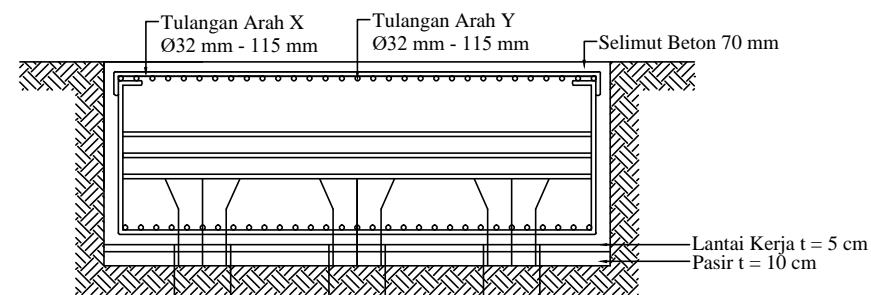
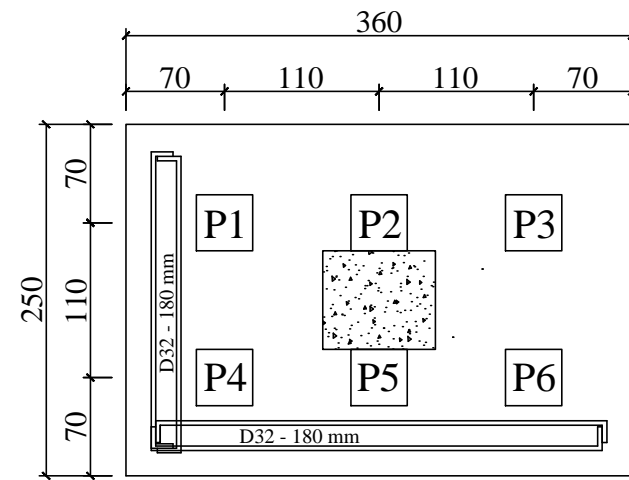
JUDUL GAMBAR :

Detail Pondasi dan
Penulangan Sloof

SKALA : KODE GB : LEMBAR :

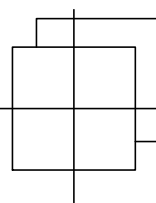
1 : 200

22



DETAIL PONDASI DAN PENULANGAN SLOOF

SKALA 1 : 200



TUGAS AKHIR



UNIVERSITAS WIJAYA
KUSUMA SURABAYA

Fakultas Teknik
Program Studi Teknik Sipil

LOKASI :

JL. DUKUH KUPANG XXV NO.54,
DUKUH KUPANG,
KEC. DUKUH PAKIS
KOTA SURABAYA

DOSEN PEMBIMBING :

Dr. Ir. Utari Khatulistiani
NIK : 93190 - ET

DIGAMBAR OLEH :

Lailatul Qiftiyah
20110022

KETERANGAN :

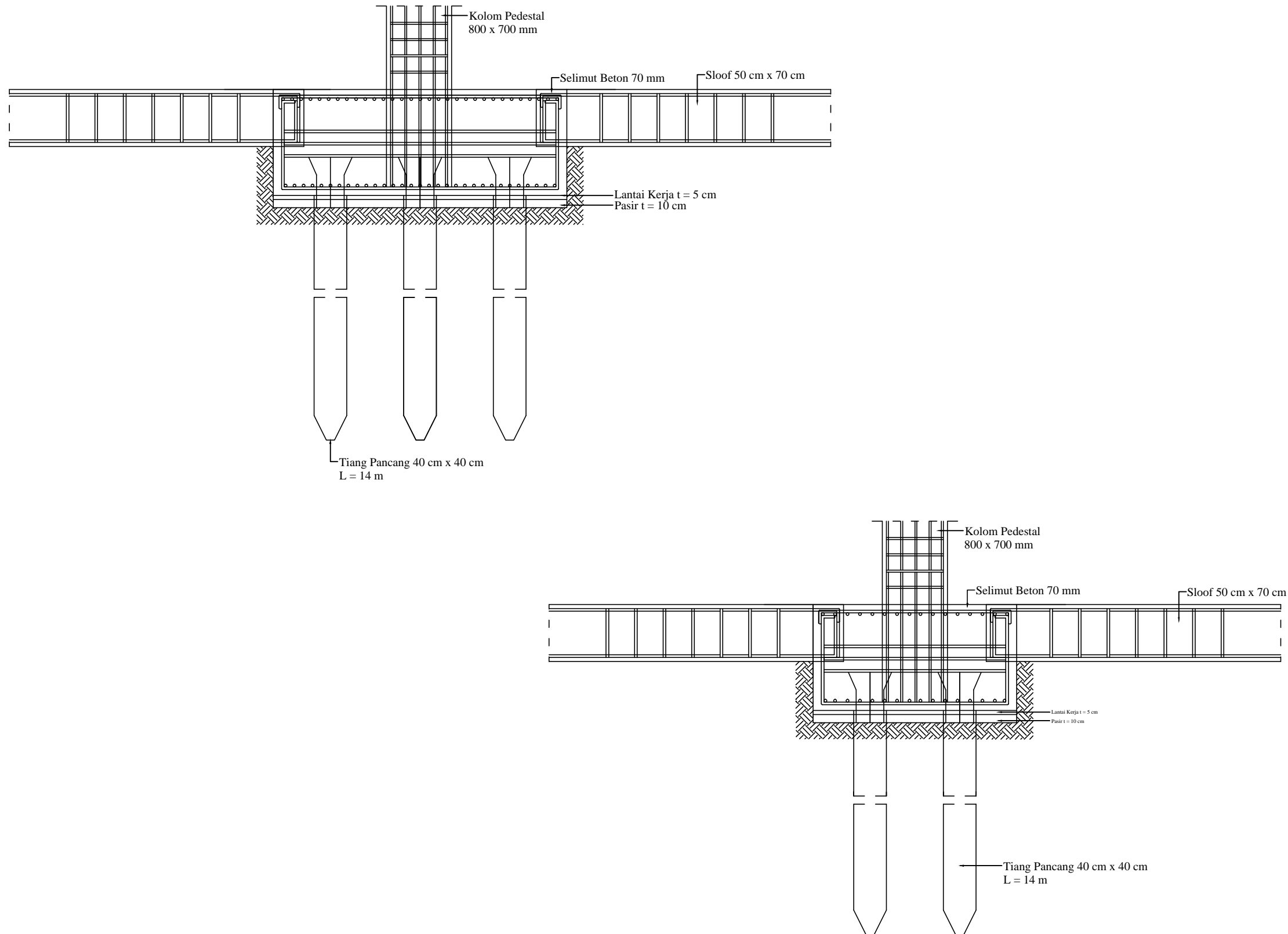
JUDUL GAMBAR :

Detail *Pile Cap* dan
Sloof

SKALA : KODE GB : LEMBAR :

1 : 200

23



DETAIL *PILE CAP* DAN SLOOF

SKALA 1 : 200

DRILLING LOG

HOLE NO : BH-03

PROJECT : Galeri Ciumbuleuit 3
 LOCATION : Jl. Ciumbuleuit, Bandung

DEPTH : 30.50 m
 COORDINATE : -

GWL : -3.50 m
 Drill Master : Ipan

DATE	SOIL / ROCK		SAMPLE DEPTH (m)	SPT (Automatic Trip Hammer)				STRENGTH TEST			ATTERBERG LIMITS					γ_t (Um ³)	Gs	e ₀	
	SYMBOL	DESCRIPTION		N	0	20	40	60	TYPE	C (kg/cm ²)	ϕ^c	q_u	0	20	40				60
October 2013		Fill material																	
		Silty clay, blackish brown, very soft consistency	1.50 2.00 2.00 2.45	2	2	4													
		Silty clay, blackish grey, very soft to soft consistency	3.50 4.00 4.00 4.45	1	45	1													
		Sand, blackish brown, very dense	6.00 6.45	1	2	3													
		Sand, yellowish brown, dense to very dense	8.00 8.42	20	20	15	12												
		Sand, yellowish brown, dense to very dense	10.00 10.20	50	5														
		Sand, yellowish brown, dense to very dense	12.00 12.45	8	40	15	15												
		Silty clay, brown, hard consistency	14.00 14.43	18	30	15	13												
		Gravelly clay, greyish brown	16.00 16.38	32	20	15	8												
		Silty clay, yellowish brown, hard consistency	18.00 18.45	12	30	15	15												

REMARKS : 0 TO 10% : TRACE
 10 TO 20% : LITTLE
 20 TO 35% : SOME
 35 TO 50% : AND

UDS

○ WATER CONTENT, %
 ● PLASTIC LIMIT, %
 ▲ LIQUID LIMIT, %

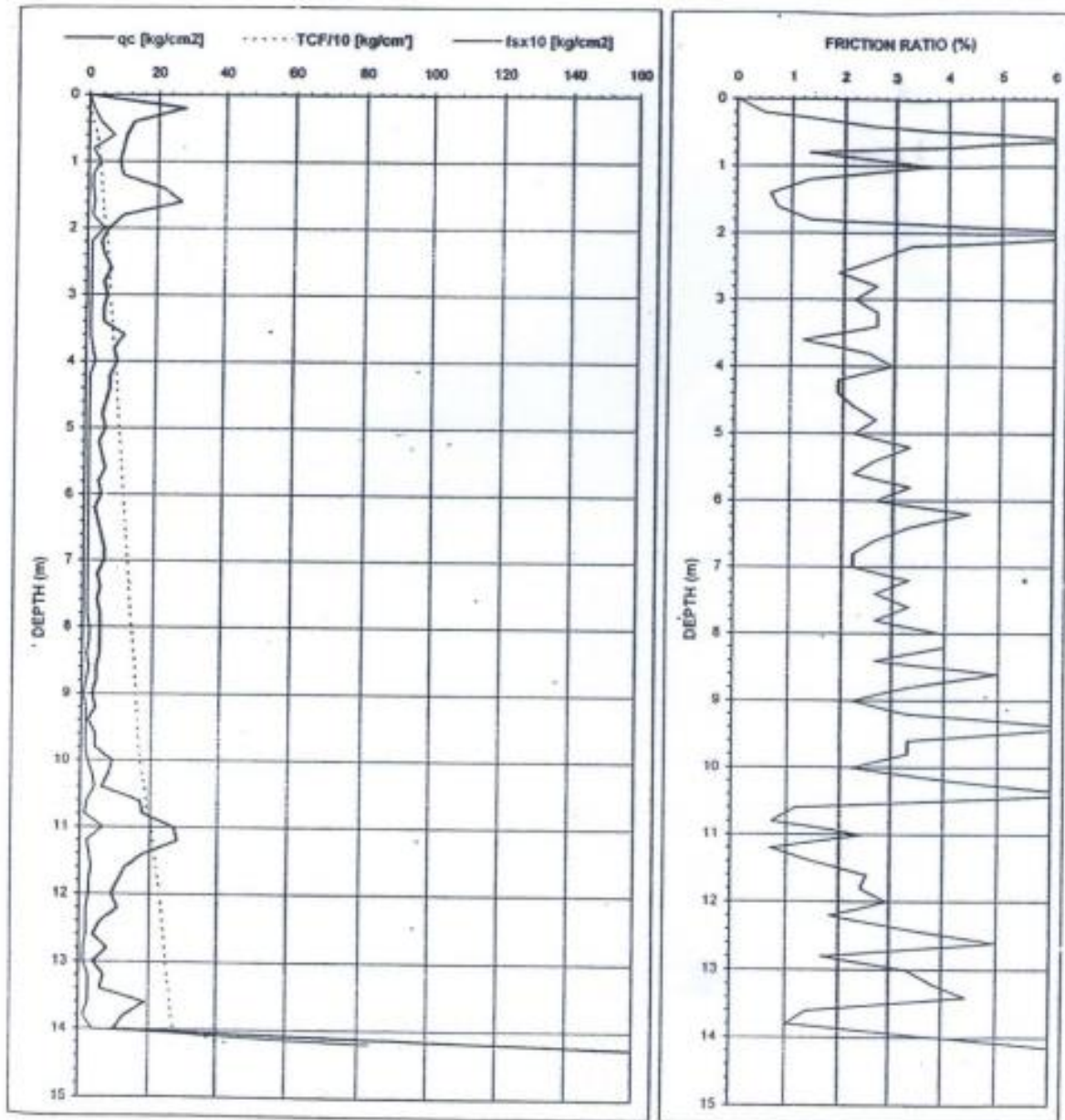


GEC
 GEOTECHNICAL ENGINEERING CONSULTANT

DUTCH CONE PENETROMETER TEST

Project : Galeri Clumbulevit 3
 Location : Jl. Clumbulevit, Bandung
 Sounding No. : S-04
 Sta/Ch. (M) : n.a.
 Date : September 7, 2013

Depth of Sounding : 14.40 m
 Ground Surface Level : n.a.
 Ground Water Level : n.a.
 Operator : MN
 Checked by : SS



DUTCH CONE PENETROMETER TEST

Project : Galeri Ciumbuleuit 3
 Location : Jl. Ciumbuleuit, Bandung
 Sounding No. : S-04
 Sta/Ch. (M) : n.a.
 Date : September 7, 2013

Depth of Sounding : 14.40 m
 Ground Surface Level : n.a.
 Ground Water Level : n.a.
 Operator : MN
 Checked by : SS

DEPTH (M)	Manometer Reading		Total Cum. Friction (kg/cm)	Local Friction (kg/cm ²)	Friction Ratio (%)	DEPTH (M)	Manometer Reading		Total Cum. Friction (kg/cm)	Local Friction (kg/cm ²)	Friction Ratio (%)
	Cone (kg/cm ²)	Total (kg/cm ²)					Cone (kg/cm ²)	Total (kg/cm ²)			
0.20	28	30	2.67	0.13	0.48	11.20	28	31	208.00	0.20	0.71
0.40	13	18	9.33	0.33	2.56	11.40	18	22	213.33	0.27	1.48
0.60	11	22	24.00	0.73	6.67	11.60	13	18	220.00	0.33	2.56
0.80	10	12	26.67	0.13	1.33	11.80	11	15	225.33	0.27	2.42
1.00	9	14	33.33	0.33	3.70	12.00	9	13	230.67	0.27	2.96
1.20	10	12	36.00	0.13	1.33	12.20	11	14	234.67	0.20	1.62
1.40	22	24	35.67	0.13	0.61	12.40	6	9	238.67	0.20	3.33
1.60	27	30	42.67	0.20	0.74	12.60	4	7	242.67	0.20	5.00
1.80	10	12	45.33	0.13	1.33	12.80	8	10	245.33	0.13	1.67
2.00	6	13	54.67	0.47	7.78	13.00	4	6	248.00	0.13	3.33
2.20	4	6	57.33	0.13	3.33	13.20	7	11	253.33	0.27	3.81
2.40	5	7	60.00	0.13	2.67	13.40	6	10	256.67	0.27	4.44
2.60	7	9	62.67	0.13	1.90	13.60	19	23	264.00	0.27	1.40
2.80	5	7	65.33	0.13	2.67	13.80	13	15	266.67	0.13	1.03
3.00	6	8	68.00	0.13	2.22	14.00	10	16	274.67	0.40	4.00
3.20	5	7	70.67	0.13	2.67	14.20	125	250	441.33	8.33	6.67
3.40	5	7	73.33	0.13	2.67	14.40	250				
3.60	11	13	76.00	0.13	1.21	14.60					
3.80	8	11	80.00	0.20	2.50	14.80					
4.00	9	13	85.33	0.27	2.96	15.00					
4.20	7	9	88.00	0.13	1.90	15.20					
4.40	7	9	90.67	0.13	1.90	15.40					
4.60	6	8	93.33	0.13	2.22	15.60					
4.80	5	7	96.00	0.13	2.67	15.80					
5.00	6	8	98.67	0.13	2.22	16.00					
5.20	4	6	101.33	0.13	3.33	16.20					
5.40	5	7	104.00	0.13	2.67	16.40					
5.60	6	8	106.67	0.13	2.22	16.60					
5.80	4	6	109.33	0.13	3.33	16.80					
6.00	5	7	112.00	0.13	2.67	17.00					
6.20	3	5	114.67	0.13	4.44	17.20					
6.40	4	6	117.33	0.13	3.33	17.40					
6.60	5	7	120.00	0.13	2.67	17.60					
6.80	6	8	122.67	0.13	2.22	17.80					
7.00	6	8	125.33	0.13	2.22	18.00					
7.20	4	6	128.00	0.13	3.33	18.20					
7.40	5	7	130.67	0.13	2.67	18.40					
7.60	4	6	133.33	0.13	3.33	18.60					
7.80	5	7	136.00	0.13	2.67	18.80					
8.00	5	8	140.00	0.20	4.00	19.00					
8.20	5	8	144.00	0.20	4.00	19.20					
8.40	5	7	148.67	0.13	2.67	19.40					
8.60	4	7	150.67	0.20	5.00	19.60					
8.80	4	6	153.33	0.13	3.33	19.80					
9.00	3	4	154.67	0.07	2.22	20.00					
9.20	4	6	157.33	0.13	3.33	20.20					
9.40	2	4	160.00	0.13	6.67	20.40					
9.60	4	6	162.67	0.13	3.33	20.60					
9.80	4	6	165.33	0.13	3.33	20.80					
10.00	9	12	169.33	0.20	2.22	21.00					
10.20	8	13	176.00	0.33	4.17	21.20					
10.40	6	12	184.00	0.40	6.67	21.40					
10.60	17	20	188.00	0.20	1.18	21.60					
10.80	18	20	190.67	0.13	0.74	21.80					
11.00	27	37	204.00	0.67	2.47	22.00					

Technical Data

| Layout Dimensions | Speed : 1.0 m/s

[Standard]

(Unit : mm)

Speed (m/s)	Capacity		Entrance Opening (mm)	Car Size		Hoistway Size				Machine Room Size				Reaction Load (N)				
						Simplex		Duplex		Simplex		Duplex		Machine Room		Pit		
	Person	Load(kg)		CW	CD	HW	HD	HW	HD	MW	MD	MW	MD	R1	R2	R3	R4	
1.0	6	450	700	1150	1030	1950	1750	4100	1750	1950	1750	4100	1750	34500	20500	67500	58700	
	7	550	800	1400	1030	1950	1750	4100	1750	1950	1750	4100	1750	34500	20500	73200	62400	
	8	630	800	1400	1100	1950	1800	4100	1800	1950	1800	4100	1800	34500	20500	75600	63800	
	9	680	800	1400	1250	1950	1950	4100	1950	1950	1950	1950	4100	1950	39500	23000	78600	65300
	10	800	800	1400	1350	1950	2050	4100	2050	1950	2050	4100	2050	39500	23000	84600	68900	
	12	900	900	1600	1350	2150	2050	4500	2050	2150	2050	4500	2050	50000	28000	90900	73200	
	13	1000	900	1600	1500	2150	2200	4500	2200	2150	2200	4500	2200	50000	28000	108300	88700	
				1600	1400	2150	2100	4500	2100	2150	2100	4500	2100	50000	28000	108300	88700	
	15	1150	1000	1800	1500	2400	2250	5000	2250	2400	2250	5000	2250	84600	47600	108700	86200	
			1100	2000	1350	2600	2100	5400	2100	2600	2100	5400	2100					
	18	1350	1000	1800	1700	2400	2450	5000	2450	2400	2450	5000	2450	98400	53200	130000	103600	
			1100	2000	1500	2600	2250	5400	2250	2600	2250	5400	2250					
21	1600	1100	2000	1750	2600	2500	5400	2500	2600	2500	5400	2500	108000	57900	143900	112500		
		2150	1600	2750	2350	5700	2350	2750	2350	5700	2350							

[EN Code]

Speed (m/s)	Capacity		Entrance Opening (mm)	Car Size		Hoistway Size				Machine Room Size				Reaction Load (N)			
						Simplex		Duplex		Simplex		Duplex		Machine Room		Pit	
	Person	Load(kg)		CW	CD	HW	HD	HW	HD	MW	MD	MW	MD	R1	R2	R3	R4
1.0	9	680	800	1350	1250	1900	1950	4000	1950	1900	1950	4000	1950	39500	23000	78600	65300
	10	800	800	1400	1350	1950	2050	4100	2050	1950	2050	4100	2050	39500	23000	84600	68900
	12	900	900	1600	1300	2150	2000	4500	2000	2150	2000	4500	2000	50000	28000	90900	73200
	13	1000	900	1600	1500	2150	2200	4500	2200	2150	2200	4500	2200	50000	28000	108300	88700
				1600	1400	2150	2100	4500	2100	2150	2100	4500	2100	50000	28000	108300	88700
	15	1150	1000	1800	1500	2400	2250	5000	2250	2400	2250	5000	2250	84600	47600	108700	86200
			1100	2000	1350	2600	2100	5400	2100	2600	2100	5400	2100				
	18	1350	1000	1800	1700	2400	2450	5000	2450	2400	2450	5000	2450	98400	53200	130000	103600
			1100	2000	1500	2600	2250	5400	2250	2600	2250	5400	2250				
	21	1600	1100	2000	1750	2600	2500	5400	2500	2600	2500	5400	2500	108000	57900	143900	112500
			2150	1600	2750	2350	5700	2350	2750	2350	5700	2350					

[Malaysia]

Speed (m/s)	Capacity		Entrance Opening (mm)	Car Size		Hoistway Size				Machine Room Size				Reaction Load (N)				
						Simplex		Duplex		Simplex		Duplex		Machine Room		Pit		
	Person	Load(kg)		CW	CD	HW	HD	HW	HD	MW	MD	MW	MD	R1	R2	R3	R4	
1.0	6	410	700	1150	1000	1950	1700	4100	1700	1950	1700	4100	1700	34500	20500	64900	56900	
	8	545	800	1400	1030	1950	1750	4100	1750	1950	1750	4100	1750	34500	20500	72000	61400	
	9	615	800	1400	1150	1950	1850	4100	1850	1950	1850	4100	1850	39500	23000	75400	63400	
	10	685	800	1400	1250	1950	1950	4100	1950	1950	1950	1950	4100	1950	39500	23000	78800	65300
	11	750	800	1400	1350	1950	2050	4100	2050	1950	2050	4100	2050	39500	23000	82300	67500	
	13	885	900	1600	1350	2150	2050	4500	2050	2150	2050	4500	2050	50000	28000	90000	72700	
	15	1025	900	1600	1550	2150	2250	4500	2250	2150	2250	4500	2250	50000	28000	110400	90300	
	17	1160	1000	1800	1500	2400	2250	5000	2250	2400	2250	5000	2250	84600	47600	108700	86200	
	20	1365	1000	1800	1750	2400	2500	5000	2500	2400	2500	5000	2500	98400	53200	130000	103600	
			1100	2000	1550	2600	2300	5400	2300	2600	2300	5400	2300					
	24	1635	1100	2000	1800	2600	2550	5400	2550	2600	2550	5400	2550	108000	57900	143900	112500	

Technical Data

| Layout Dimensions | Speed : 1.5m/s ~ 1.75m/s

[Standard]

(Unit : mm)

Speed (m/s)	Capacity		Entrance Opening (mm)	Car Size		Hoistway Size				Machine Room Size				Reaction Load (N)				
						Simplex		Duplex		Simplex		Duplex		Machine Room		Pit		
	Person	Load(kg)		CW	CD	HW	HD	HW	HD	MW	MD	MW	MD	R1	R2	R3	R4	
1.5~1.75	7	550	800	1400	1030	1950	1750	4100	1750	1950	1750	4100	1750	34500	20500	73200	62400	
	8	630	800	1400	1100	1950	1800	4100	1800	1950	1800	4100	1800	34500	20500	75600	63900	
	9	680	800	1400	1250	1950	1950	4100	1950	1950	1950	1950	4100	1950	39500	23000	78600	65300
	10	800	800	1400	1350	1950	2050	4100	2050	1950	2050	4100	2050	39500	23000	84600	68900	
	12	900	900	1600	1350	2150	2050	4500	2050	2150	2050	4500	2050	50000	28000	90900	73200	
	13	1000	900	1600	1500	2150	2200	4500	2200	2150	2200	4500	2200	50000	28000	108300	88700	
				1600	1400	2150	2100	4500	2100	2150	2100	4500	2100	50000	28000	108300	88700	
	15	1150	1000	1800	1500	2400	2250	5000	2250	2400	2250	5000	2250	84600	47600	108700	86200	
			1100	2000	1350	2600	2100	5400	2100	2600	2100	5400	2100					
	18	1350	1000	1800	1700	2400	2450	5000	2450	2400	2450	5000	2450	98400	53200	130100	103600	
			1100	2000	1500	2600	2250	5400	2250	2600	2250	5400	2250					
	21	1600	1100	2000	1750	2600	2500	5400	2500	2600	2500	5400	2500	108000	58000	143900	112500	
2150			1600	2750	2350	5700	2350	2750	2350	5700	2350							

[EN Code]

Speed (m/s)	Capacity		Entrance Opening (mm)	Car Size		Hoistway Size				Machine Room Size				Reaction Load (N)			
						Simplex		Duplex		Simplex		Duplex		Machine Room		Pit	
	Person	Load(kg)		CW	CD	HW	HD	HW	HD	MW	MD	MW	MD	R1	R2	R3	R4
1.5~1.75	9	680	800	1350	1250	1900	1950	4000	1950	1900	1950	4000	1950	39500	23000	78600	65300
	10	800	800	1400	1350	1950	2050	4100	2050	1950	2050	4100	2050	39500	23000	84600	68900
	12	900	900	1600	1300	2150	2000	4500	2000	2150	2000	4500	2000	50000	28000	90900	73200
	13	1000	900	1600	1500	2150	2200	4500	2200	2150	2200	4500	2200	50000	28000	108300	88700
				1600	1400	2150	2100	4500	2100	2150	2100	4500	2100	50000	28000	108300	88700
	15	1150	1000	1800	1500	2400	2250	5000	2250	2400	2250	5000	2250	84600	47600	108700	86200
			1100	2000	1350	2600	2100	5400	2100	2600	2100	5400	2100				
	18	1350	1000	1800	1700	2400	2450	5000	2450	2400	2450	5000	2450	98400	53200	130100	103600
			1100	2000	1500	2600	2250	5400	2250	2600	2250	5400	2250				
	21	1600	1100	2000	1750	2600	2500	5400	2500	2600	2500	5400	2500	108000	58000	143900	112500
			2150	1600	2750	2350	5700	2350	2750	2350	5700	2350					

[Malaysia]

Speed (m/s)	Capacity		Entrance Opening (mm)	Car Size		Hoistway Size				Machine Room Size				Reaction Load (N)				
						Simplex		Duplex		Simplex		Duplex		Machine Room		Pit		
	Person	Load(kg)		CW	CD	HW	HD	HW	HD	MW	MD	MW	MD	R1	R2	R3	R4	
1.5~1.75	8	545	800	1400	1030	1950	1750	4100	1750	1950	1750	4100	1750	34500	20500	72000	61400	
	9	615	800	1400	1150	1950	1850	4100	1850	1950	1850	4100	1850	39500	23000	75400	63400	
	10	685	800	1400	1250	1950	1950	4100	1950	1950	1950	1950	4100	1950	39500	23000	78800	65300
	11	750	800	1400	1350	1950	2050	4100	2050	1950	2050	41						

Technical Data

| Layout Dimensions | Speed : 2.0m/s ~ 2.5m/s

[Standard]

(Unit : mm)

Speed (m/s)	Capacity		Entrance Opening (mm)	Car Size		Hoistway Size				Machine Room Size				Reaction Load (N)					
						Simplex		Duplex		Simplex		Duplex		Machine Room			Pit		
	Person	Load(kg)		CW	CD	HW	HD	HW	HD	MW	MD	MW	MD	R1	R2	R5	R3	R4	
2.0~2.5	10	800	800	1400	1350	1950	2050	4100	2050	1950	2050	4100	2050	45000	27500	6000	102100	86400	
	12	900	900	1600	1350	2150	2050	4500	2050	2150	2050	4500	2050	54500	31500	7000	109400	91700	
	13	1000	900	1600	1500	2150	2200	4500	2200	2150	2200	4500	2200	54500	31500	7000	114500	94900	
				1600	1400	2150	2100	4500	2100	2150	2100	4500	2100	54500	31500	7000	114500	94900	
	15	1150	1000	1800	1500	2400	2250	5000	2250	2400	2250	5000	2250	123000	82500	-	169200	129700	
			1100	2000	1350	2600	2100	5400	2100	2600	2100	5400	2100	-	-	-	-	-	
	18	1350	1000	1800	1700	2400	2450	5000	2450	2400	2450	5000	2450	131000	88500	-	180400	135500	
			1100	2000	1500	2600	2250	5400	2250	2600	2250	5400	2250	-	-	-	-	-	
	21	1600	2000	1750	2600	2500	5400	2500	2600	2500	5400	2500	2600	139000	93500	-	196000	144200	
			2150	1600	2750	2350	5700	2350	2750	2350	5700	2350	-	-	-	-	-		

[EN Code]

Speed (m/s)	Capacity		Entrance Opening (mm)	Car Size		Hoistway Size				Machine Room Size				Reaction Load (N)					
						Simplex		Duplex		Simplex		Duplex		Machine Room			Pit		
	Person	Load(kg)		CW	CD	HW	HD	HW	HD	MW	MD	MW	MD	R1	R2	R5	R3	R4	
2.0~2.5	10	800	800	1400	1350	1950	2050	4100	2050	1950	2050	4100	2050	45000	27500	6000	102100	86400	
	12	900	900	1600	1300	2150	2000	4500	2000	2150	2000	4500	2000	54500	31500	7000	109400	91700	
	13	1000	900	1600	1500	2150	2200	4500	2200	2150	2200	4500	2200	54500	31500	7000	114500	94900	
				1600	1400	2150	2100	4500	2100	2150	2100	4500	2100	54500	31500	7000	114500	94900	
	15	1150	1000	1800	1500	2400	2250	5000	2250	2400	2250	5000	2250	123000	82500	-	169200	129700	
			1100	2000	1350	2600	2100	5400	2100	2600	2100	5400	2100	-	-	-	-	-	
	18	1350	1000	1800	1700	2400	2450	5000	2450	2400	2450	5000	2450	131000	88500	-	180400	135500	
			1100	2000	1500	2600	2250	5400	2250	2600	2250	5400	2250	-	-	-	-	-	
	21	1600	2000	1750	2600	2500	5400	2500	2600	2500	5400	2500	2600	139000	93500	-	196000	144200	
			2150	1600	2750	2350	5700	2350	2750	2350	5700	2350	-	-	-	-	-		

[Malaysia]

Speed (m/s)	Capacity		Entrance Opening (mm)	Car Size		Hoistway Size				Machine Room Size				Reaction Load (N)					
						Simplex		Duplex		Simplex		Duplex		Machine Room			Pit		
	Person	Load(kg)		CW	CD	HW	HD	HW	HD	MW	MD	MW	MD	R1	R2	R5	R3	R4	
2.0~2.5	11	750	800	1400	1350	1950	2050	4100	2050	1950	2050	4100	2050	45000	27500	6000	100000	85300	
	13	885	900	1600	1350	2150	2050	4500	2050	2150	2050	4500	2050	54500	31500	7000	108800	91500	
	15	1025	900	1600	1550	2150	2250	4500	2250	2150	2250	4500	2250	54500	31500	7000	116600	96500	
	17	1160	1000	1800	1500	2400	2250	5000	2250	2400	2250	5000	2250	123000	82500	-	169200	129700	
	20	1365	1000	1800	1750	2400	2500	5000	2500	2400	2500	5000	2500	131000	88500	-	180400	135500	
			1100	2000	1550	2600	2300	5400	2300	2600	2300	5400	2300	-	-	-	-	-	
	24	1635	1100	2000	1800	2600	2550	5400	2550	2600	2550	5400	2550	139000	93500	-	196000	144200	

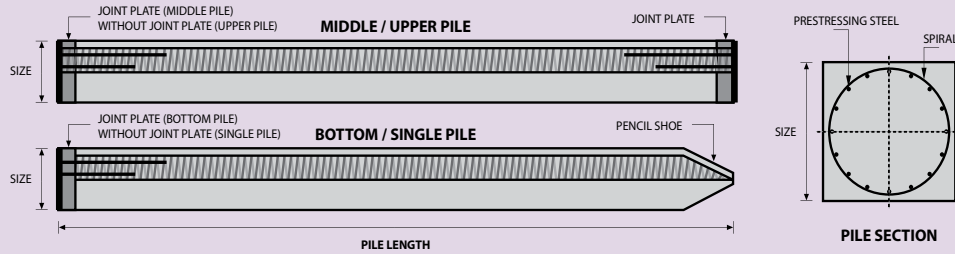
Technical Data

| Power Supply Plan | Speed : 1.0~2.5 m/s

(380V)

Speed (m/s)	Capacity		Motor Capacity (kW)	MCCB Capacity of Building (A)		Power Supply Capacity (kVA)		Lead-in Wire Size (mm ²)		Earth Wire Size (mm ²)		Heat Dissipation (J/H)	Starting Power (KVA/set)	
				Simplex	Duplex	Simplex	Duplex	Simplex	Duplex	Simplex	Duplex			
1.0	6	450	3.9	25	25	5.3	9.7	6	6	6	6	675	7.8	
	7	550	3.9	25	25	5.9	10.8	6	6	6	6	825	7.8	
	8	630	3.9	25	25	6.3	11.5	6	6	6	6	900	7.8	
	9	680	4.9	25	32	7.3	13.4	6	6	6	6	1020	9.8	
	10	800	4.9	25	40	8.9	16.2	6	6	6	6	1200	9.8	
	12	900	6.2	25	40	8.9	16.2	6	6	6	6	1350	12.4	
	13	1000	6.2	25	50	9.8	17.8	6	10	6	6	1500	12.4	
	15	1150	7.7	32	50	11.1	20.3	6	10	6	6	1725	16.4	
	18	1350	9.0	32	75	13	26	10	16	6	6	2025	17.6	
	21	1600	10.7	40	75	15.5	31	10	16	6	10	2400	21	
	1.5	7	550	5.8	25	32	9.7	17.7	6	10	6	6	1238	11.6
		8	630	5.8	25	40	10.4	18.9	6	10	6	6	1350	11.6
9		680	7.4	25	40	11.5	20.9	6	10	6	6	1530	14.8	
10		800	7.4	32	50	13.5	24.6	10	10	6	6	1800	14.8	
12		900	9.2	32	50	13.5	24.6	10	16	6	6	2025	18.4	
13		1000	9.2	32	60	14.9	27.1	10	16	6	6	2250	18.4	
15		1150	13.5	40	75	18.2	33.1	16	16	6	6	2588	24.6	
18		1350	15.8	50	100	21.2	42.4	16	25	6	10	3038	26.4	
21		1600	18.7	60	120	25.3	50.5	16	35	6	10	3600	31.4	
1.75		7	550	6.8	25	40	11.7	21.4	6	10	6	6	1444	13.6
		8	630	6.8	25	40	12.5	22.8	6	10	6	6	1575	13.6
		9	680	8.6	25	50	13.9	25.2	6	10	6	6	1785	17.2
	10	800	8.6	32	60	16.4	29.8	10	10	6	6	2100	17.2	
	12	900	10.8	32	60	16.4	29.8	10	16	6	6	2363	21.6	
	13	1000	10.8	40	75	18	32.7	10	16	6	6	2625	21.6	
	15	1150	13.5	50	100	21	38.2	16	25	6	10	3019	28.6	
	18	1350	15.8	50	100	24.4	48.9	16	25	6	10	3544	30.8	
	21	1600	18.7	60	120	29.1	58.3	16	35	6	10	4200	36.6	
	2.0	10	800	10.3	40	60	13.1	23.8	10	25	6	10	2250	20.6
		12	900	13.3	40	75	15.4	28	16	35	6	10	2700	26.6
		13	1000	13.3	50	100	17.1	31.1	16	50	6	16	3000	26.6
15		1150	19.2	50	100	19.9	36.1	16	50	6	16	3450	32.6	
18		1350	22.6	60	100	21.6	39.3	16	50	6	16	4050	35.2	
21		1600	26.7	75	125	26.2	47.6	16	70	10	25	4800	41.8	
2.5		10	800	13.1	50	75	16.2	29.5	16	35	6	10	2873	26.2
		12	900	16.8	50	100	19	34.5	16	50	6	16	3375	33.6
		13	1000	16.8	60	100	21.1	38.3	16	50	6	16	3750	33.6
		15	1150	19.2	60	125	23.9	43.6	16	70	6	25	4313	40.8
		18	1350	22.6	75	125	26.2	47.8	25	70	10	25	5063	44.2
		21	1600	26.7	100	150	31.4	57.2	25	70	10	25	6000	52.2

PILE SHAPE & SPECIFICATION | PRESTRESSED CONCRETE SQUARE PILES



PRESTRESSED CONCRETE SQUARE PILES SPECIFICATION

Concrete Compressive Strength $f_c' = 42 \text{ MPa}$ (Cube 500 kg/cm^2)

Unit Conversion : 1 ton = 9.8060 kN

Size (mm)	Cross Section (cm ²)	Section Inertia (cm ⁴)	Unit Weight (kg/m)	Class	Bending Moment		Allowable Compression (ton)	Decompression Tension (ton)	Length of Pile * (m)	Splice Class	
					Crack (ton.m)	Ultimate (ton.m)				Compatible to Body M_{crack}	Optional
200 x 200	400	13,333	100	A	1.55	2.65	49.08	27.47	6 - 9	I	II
250 x 250	625	32,552	156	A	2.29	3.46	81.40	28.10	6 - 10	III	IV
				B	2.52	4.33	79.62	34.80	6 - 11	II	-
				C	2.78	5.19	77.92	41.30	6 - 11	I	II
300 x 300	900	67,500	225	A	3.64	5.19	118.59	35.40	6 - 11	IV	V
				B	3.98	6.23	116.76	42.20	6 - 11	III	IV/V
				C	4.48	7.47	114.66	50.20	6 - 12	II	-
				D	4.92	9.34	111.60	61.90	6 - 12	I	III/IV/V
350 x 350	1,225	125,052	306	A	5.33	6.57	163.98	38.60	6 - 11	III	IV
				B	6.07	8.72	160.68	50.90	6 - 12	II	-
				C	6.63	10.90	157.45	63.10	6 - 12	I	IV
				D	7.30	13.08	154.32	75.00	6 - 13	I	III/IV
400 x 400	1,600	213,333	400	A	7.89	9.96	213.96	51.40	6 - 12	IV	V
				B	8.71	12.45	210.60	63.80	6 - 12	III	IV/V
				C	9.51	14.95	207.32	76.00	6 - 13	II	III/IV/V
				D	11.82	22.42	198.01	111.60	6 - 14	I	II/III/IV/V
450 x 450	2,025	341,719	506	A	11.17	14.01	270.98	64.30	6 - 12	III	IV
				B	12.10	16.81	267.61	76.80	6 - 13	III	IV
				C	13.01	19.62	264.30	89.10	6 - 13	II	III/IV
				D	14.78	25.22	257.88	113.30	6 - 14	I	II/III/IV
500 x 500	2,500	520,833	625	A	15.16	18.68	335.12	77.30	6 - 13	III	IV
				B	16.19	21.79	331.72	89.90	6 - 13	II	III/IV
				C	17.21	24.91	328.38	102.20	6 - 14	I	II/III/IV
				D	18.22	28.02	325.09	114.50	6 - 14	I	II/III/IV

Note : *) Length of pile may exceed usual standard whenever lifted in certain position

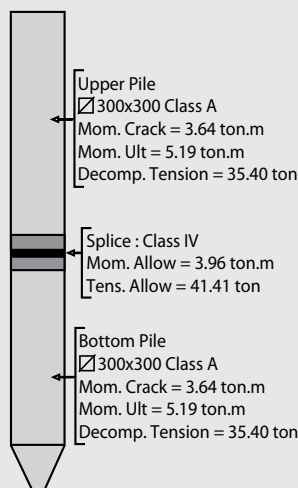
TYPICAL SPLICE SPECIFICATION

Size (mm)	Class	Bending Moment		Tension	
		Allowable (ton.m)	Ultimate (ton.m)	Allowable (ton)	Ultimate (ton)
200 x 200	I	1.56	2.11	41.82	47.05
	II	0.76	1.02	16.34	18.38
250 x 250	I	3.17	4.28	55.22	62.12
	II	2.99	4.03	41.41	46.59
	III	2.34	3.17	41.41	46.59
	IV	1.29	1.74	24.50	27.57
300 x 300	I	5.96	8.05	83.64	94.10
	II	4.53	6.12	62.73	70.57
	III	4.28	5.78	55.22	62.12
	IV	3.96	5.35	41.41	46.59
	V	2.34	3.16	24.50	27.57
350 x 350	I	7.67	10.35	83.64	94.10
	II	6.81	9.19	83.64	94.10
	III	5.71	7.71	55.22	62.12
	IV	3.30	4.45	27.61	31.06
400 x 400	I	12.20	16.47	117.95	132.69
	II	11.28	15.23	88.46	99.52
	III	9.41	12.71	83.64	94.10
	IV	8.58	11.58	62.73	70.57
	V	3.97	5.36	27.61	31.06
450 x 450	I	15.80	21.33	147.43	165.86
	II	14.07	19.00	117.95	132.69
	III	13.02	17.57	88.46	99.52
	IV	6.55	8.84	41.82	47.05
500 x 500	I	19.72	26.63	118.60	133.43
	II	16.51	22.29	117.95	132.69
	III	15.14	20.43	88.46	99.52
	IV	7.56	10.21	41.82	47.05

EXAMPLES OF SPLICE SELECTION

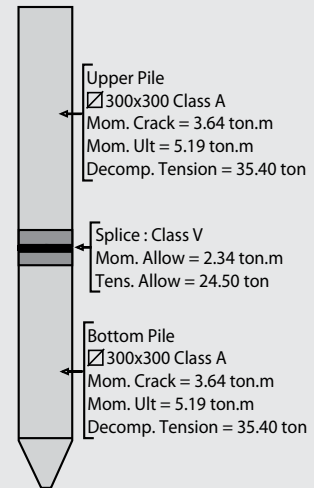
Case 1 : Compatible to Body Moment Crack

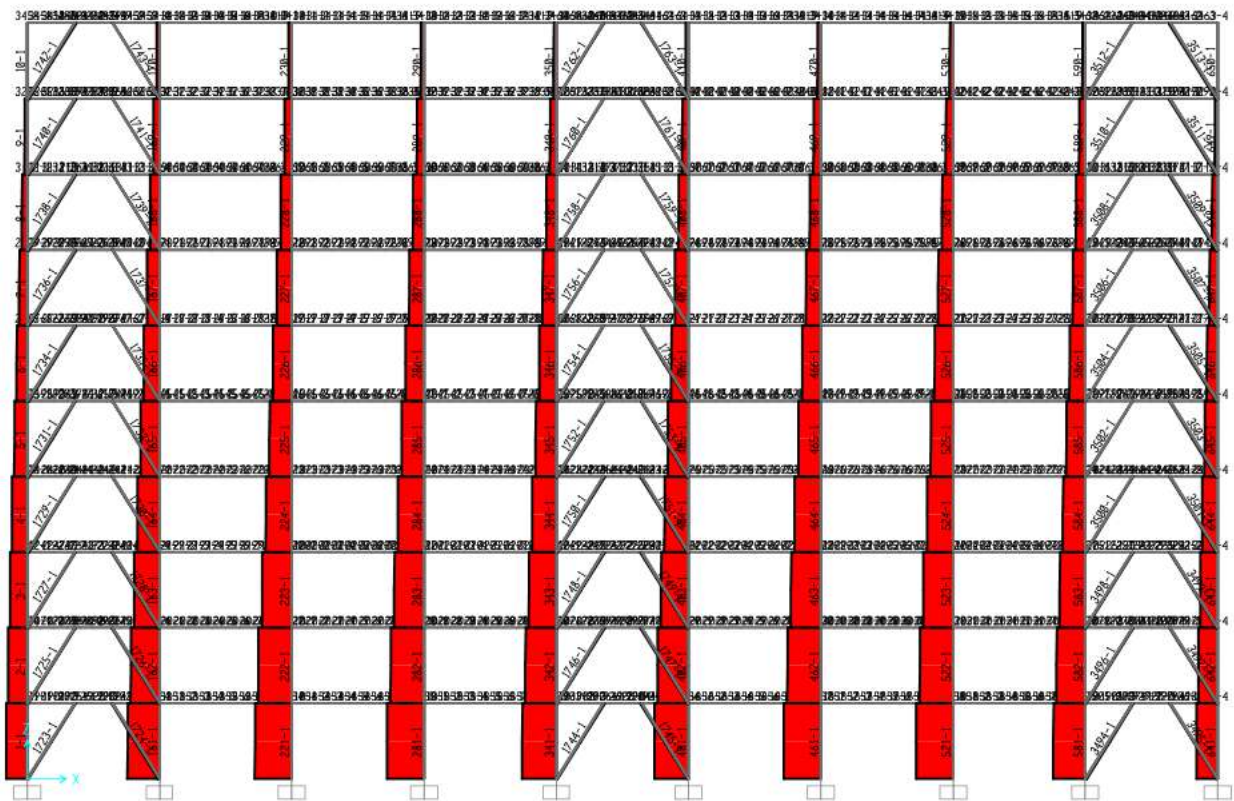
Splice of PC Piles having equivalent performance to the crack bending moment of the main body.

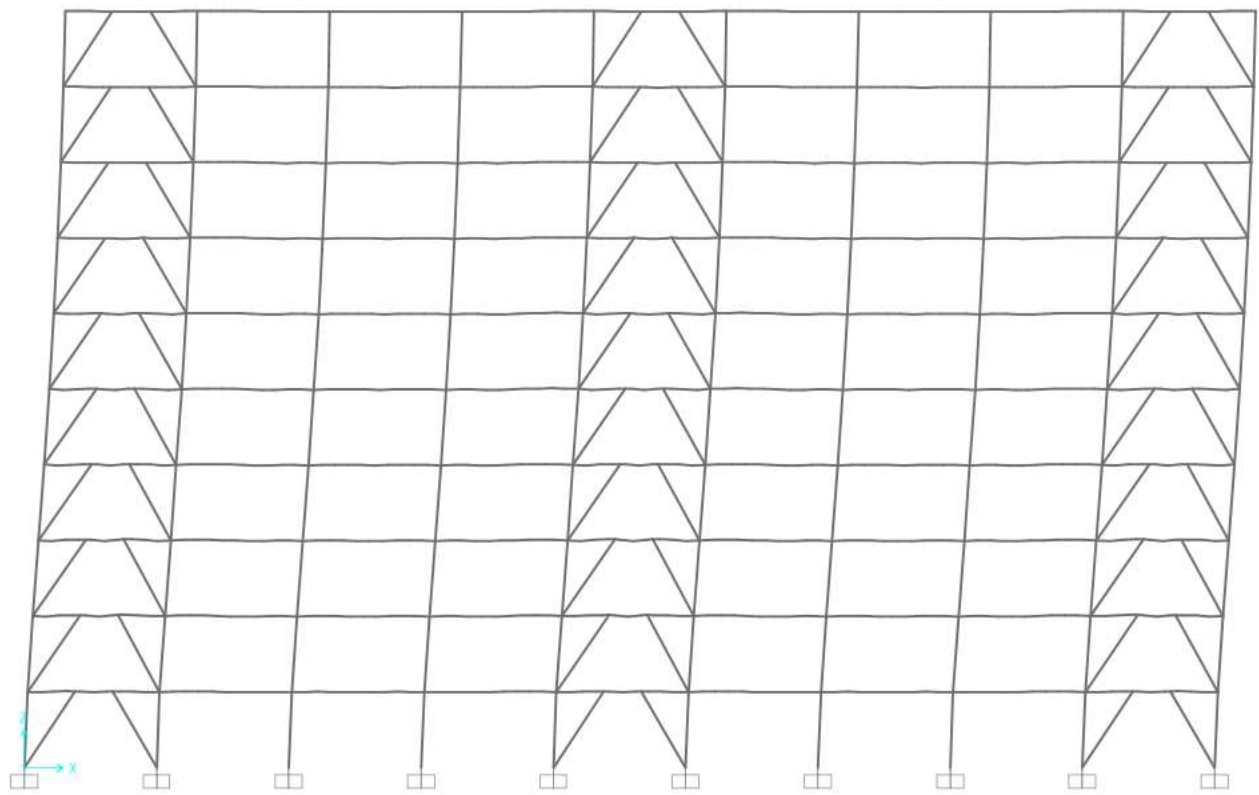


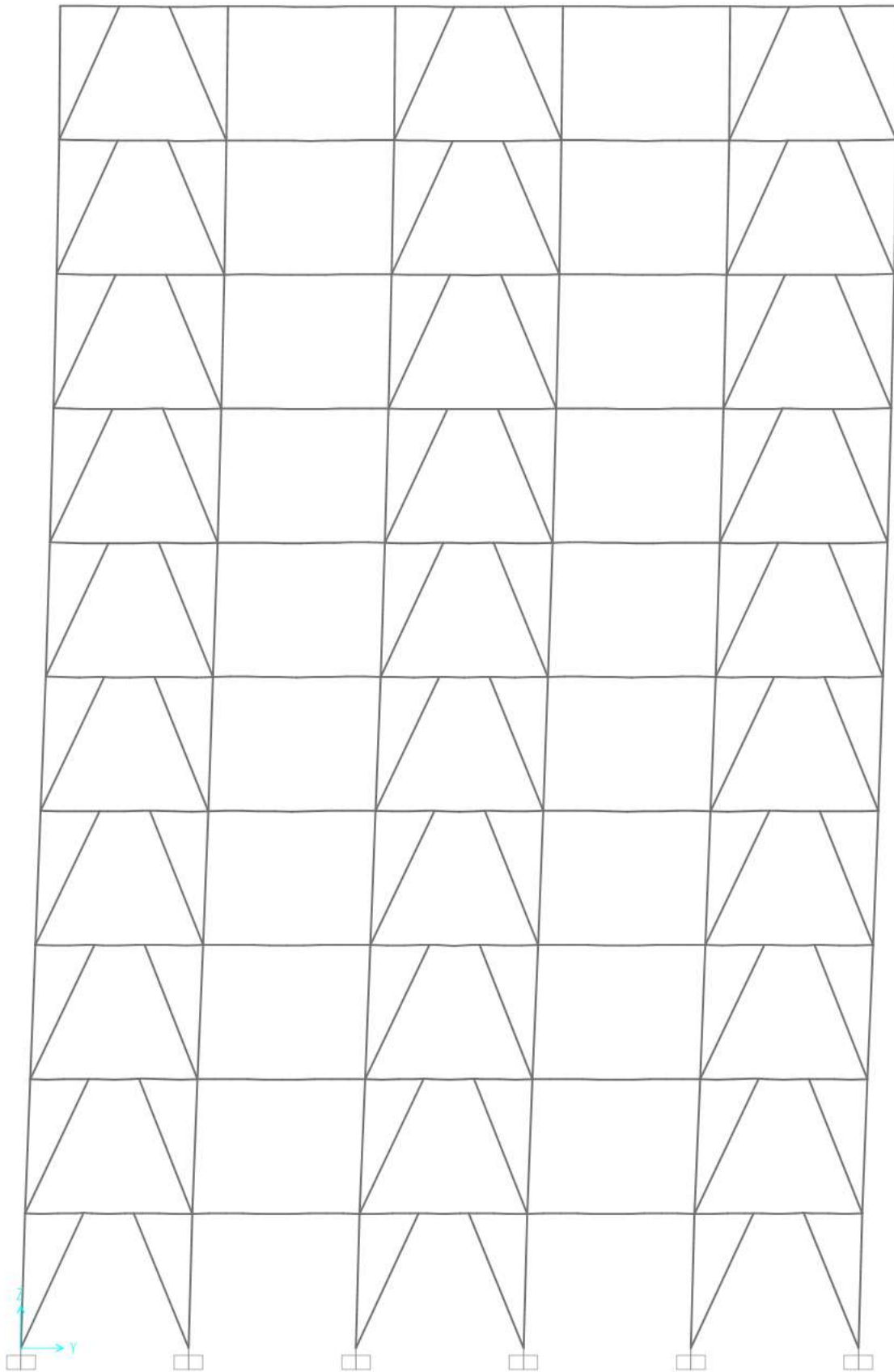
Case 2 : Optional Splice

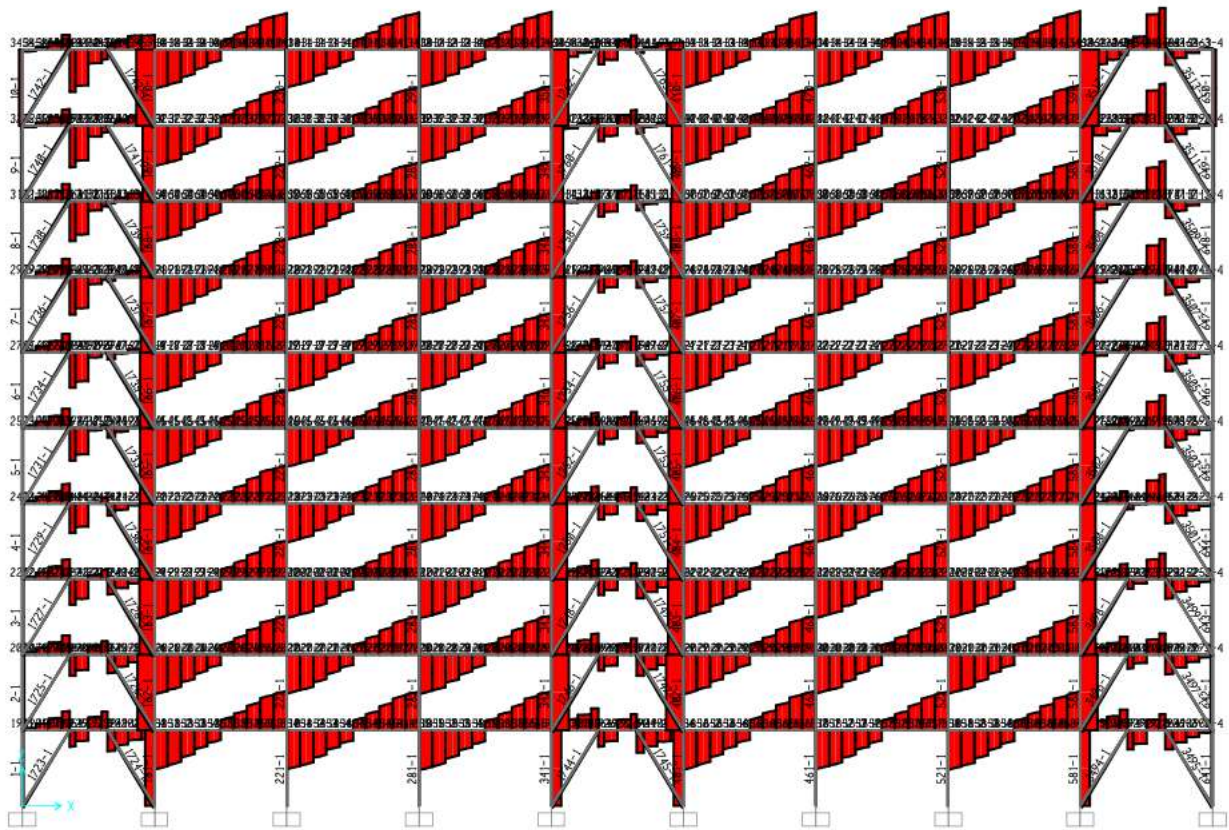
Application of optional splices should be approved by structure designer.

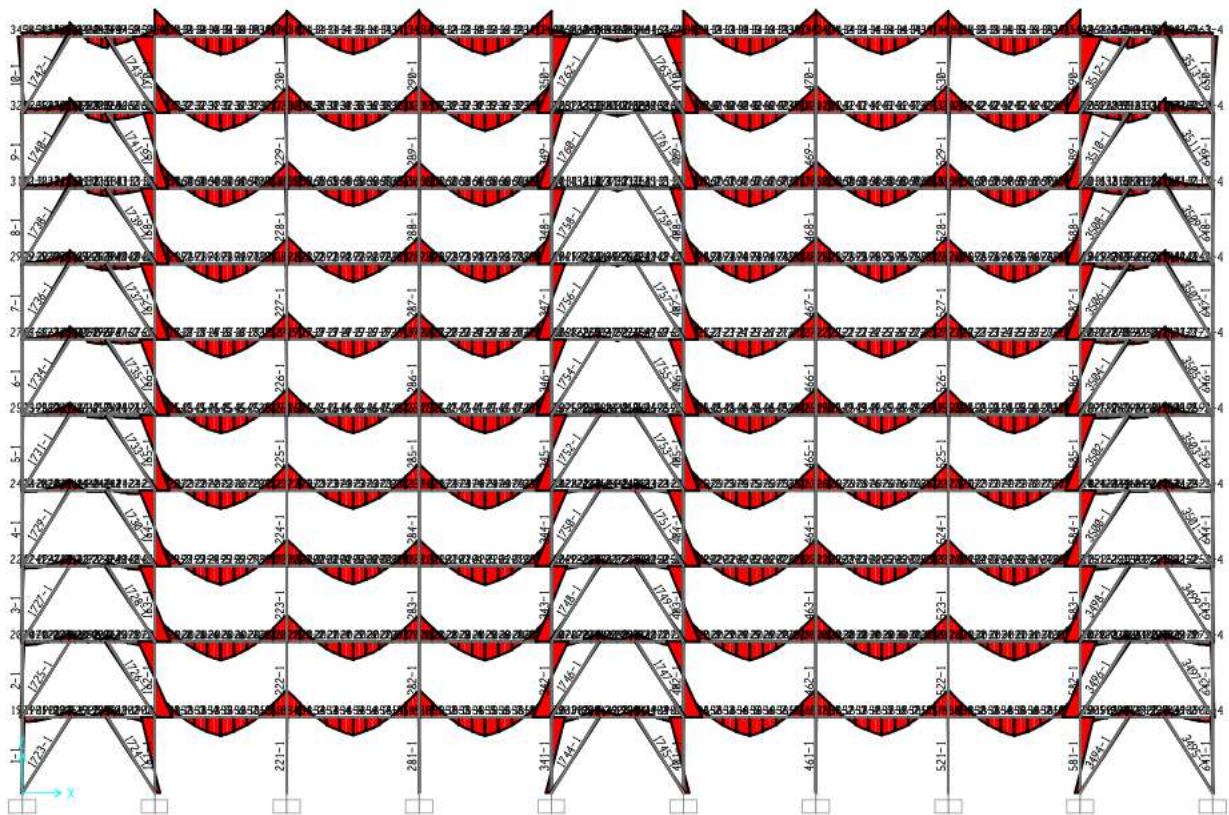


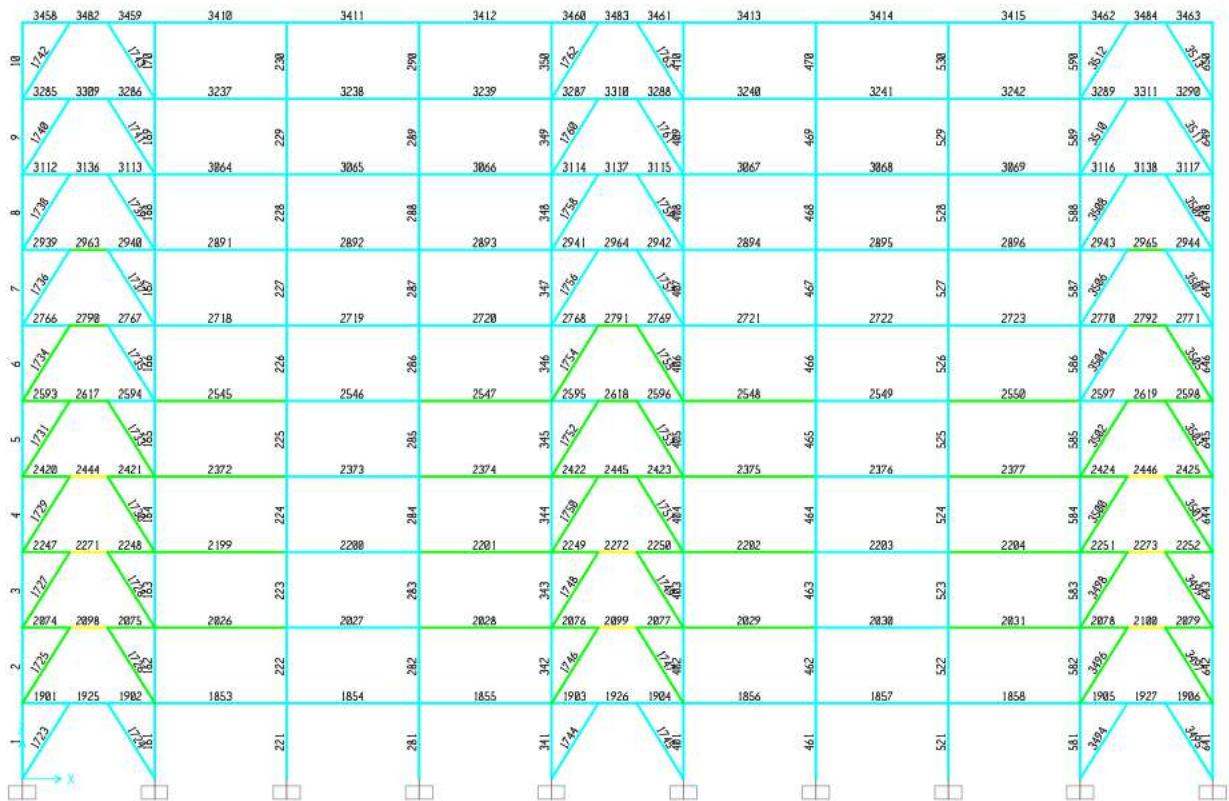




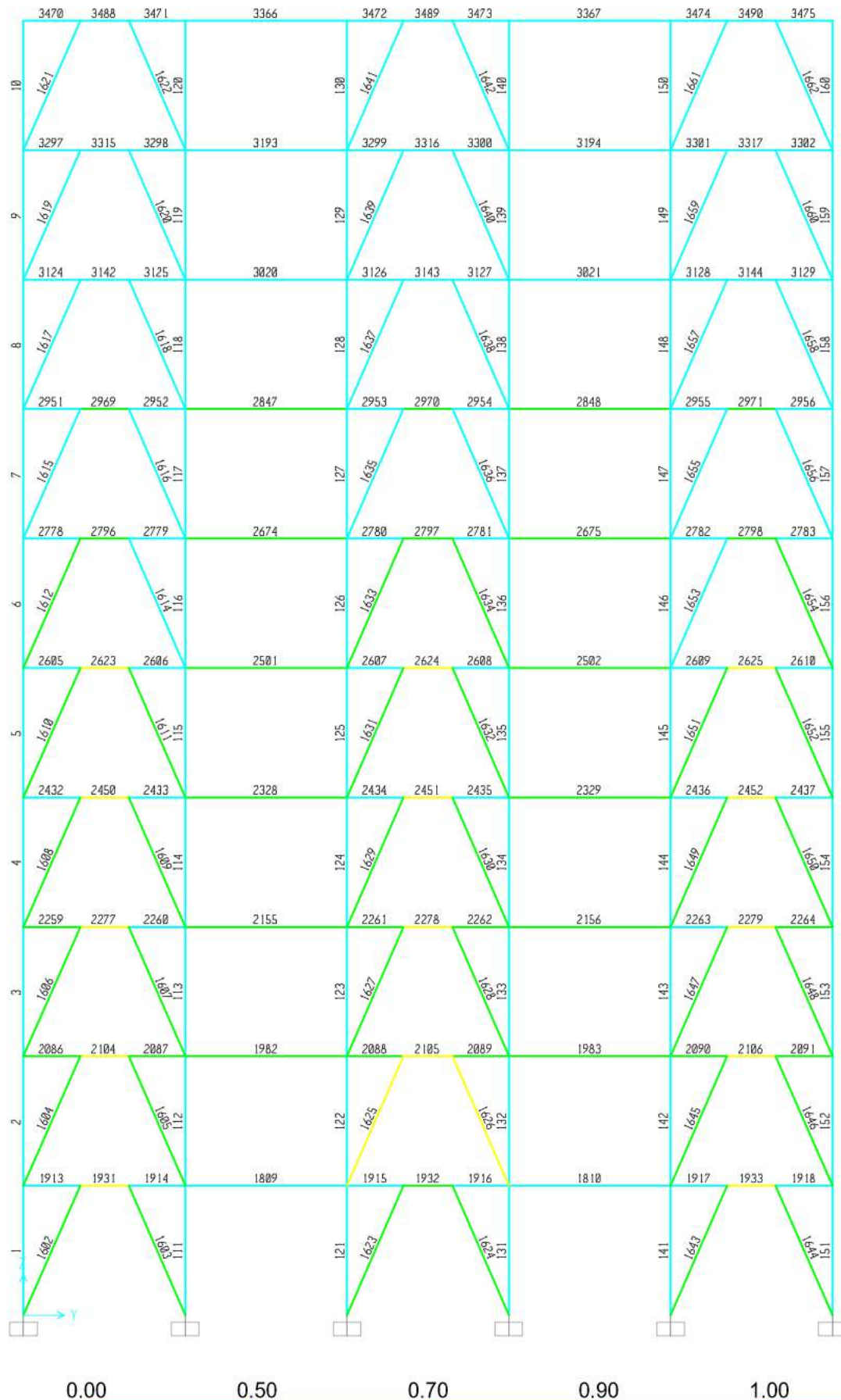








0.00 0.50 0.70 0.90 1.00



OUTPUT GAYA DALAM BALOK ANAK ATAP

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
3325	0	ENVELOPE	Combination	Max	3775,52	-13316,86	797,16	3785,08	301012,03	8734739,89	3325-1	0
3325	500	ENVELOPE	Combination	Max	3775,52	-12743,65	797,16	3785,08	97566,55	15250148,55	3325-1	500
3325	500	ENVELOPE	Combination	Max	1619,96	-12376,38	20,67	22734,87	86459,58	16585962,72	3325-2	0
3325	1000	ENVELOPE	Combination	Max	1619,96	-11803,17	20,67	22734,87	76928,18	30409358,93	3325-2	500
3325	1000	ENVELOPE	Combination	Max	87,39	-8753,52	15,91	23856,14	50377,32	34121134,03	3325-3	0
3325	1500	ENVELOPE	Combination	Max	87,39	-8180,31	15,91	23856,14	43177,63	49769400,84	3325-3	500
3325	1500	ENVELOPE	Combination	Max	1715,31	-4773,95	20,91	24170,37	75681,76	52548852,86	3325-4	0
3325	2000	ENVELOPE	Combination	Max	1715,31	-4200,74	20,91	24170,37	65983,33	63367567,28	3325-4	500
3325	2000	ENVELOPE	Combination	Max	3592,78	-2204,19	732,03	27424,78	86565,24	65207505,62	3325-5	0
3325	2500	ENVELOPE	Combination	Max	3592,78	-1630,98	732,03	27424,78	280000,1	72503523,87	3325-5	500
3325	2500	ENVELOPE	Combination	Max	2984,77	3412,56	668,11	25191,88	249744,14	73086975,88	3325-6	0
3325	3000	ENVELOPE	Combination	Max	2984,77	4444,34	668,11	25191,88	84310,87	71251345,68	3325-6	500
3325	3000	ENVELOPE	Combination	Max	1196,46	11242,86	11,18	44827,48	73016,8	70734570,49	3325-7	0
3325	3500	ENVELOPE	Combination	Max	1196,46	12274,64	11,18	44827,48	67898,36	65892469,95	3325-7	500
3325	3500	ENVELOPE	Combination	Max	219,2	23637,08	29,21	52444,53	50890,12	64171639,3	3325-8	0
3325	4000	ENVELOPE	Combination	Max	219,2	24668,85	29,21	52444,53	36668,51	52353336,27	3325-8	500
3325	4000	ENVELOPE	Combination	Max	1428,72	37486,75	92,06	111563,46	62927,7	49148120,36	3325-9	0
3325	4500	ENVELOPE	Combination	Max	1428,72	38403,88	92,06	111563,46	16899,11	30175461,69	3325-9	500
3325	4500	ENVELOPE	Combination	Max	2538,62	44889,01	486	18155,12	50947,69	25770077,46	3325-10	0
3325	5000	ENVELOPE	Combination	Max	2538,62	45806,15	486	18155,12	192054,57	3096287,75	3325-10	500
3325	0	ENVELOPE	Combination	Min	-3775,52	-52044,77	-797,16	-5164,18	-301012,03	-58729010	3325-1	0
3325	500	ENVELOPE	Combination	Min	-3775,52	-51127,64	-797,16	-5164,18	-97566,55	-33472084	3325-1	500
3325	500	ENVELOPE	Combination	Min	-1619,96	-51328,8	-20,67	-63910,52	-86459,58	-28122759,2	3325-2	0
3325	1000	ENVELOPE	Combination	Min	-1619,96	-50411,67	-20,67	-63910,52	-76928,18	-10707846,4	3325-2	500
3325	1000	ENVELOPE	Combination	Min	-87,39	-41981,26	-15,91	-69634,94	-50377,32	-8557827,64	3325-3	0
3325	1500	ENVELOPE	Combination	Min	-87,39	-40949,48	-15,91	-69634,94	-43177,63	760048,82	3325-3	500
3325	1500	ENVELOPE	Combination	Min	-1715,31	-31334,4	-20,91	-74618,76	-75681,76	2392382,46	3325-4	0
3325	2000	ENVELOPE	Combination	Min	-1715,31	-30302,62	-20,91	-74618,76	-65983,33	9226595,48	3325-4	500
3325	2000	ENVELOPE	Combination	Min	-3592,78	-23882,54	-732,03	-46926,8	-86565,24	10475452,09	3325-5	0
3325	2500	ENVELOPE	Combination	Min	-3592,78	-22850,76	-732,03	-46926,8	-280000,1	15821553,9	3325-5	500
3325	2500	ENVELOPE	Combination	Min	-2984,77	-2897,68	-668,11	-50480,71	-249744,14	16532972,73	3325-6	0
3325	3000	ENVELOPE	Combination	Min	-2984,77	-2324,47	-668,11	-50480,71	-84310,87	17836009,3	3325-6	500
3325	3000	ENVELOPE	Combination	Min	-1196,46	344,87	-11,18	-31911,37	-73016,8	17945803,83	3325-7	0
3325	3500	ENVELOPE	Combination	Min	-1196,46	918,08	-11,18	-31911,37	-67898,36	17627329,81	3325-7	500
3325	3500	ENVELOPE	Combination	Min	-219,2	5201,09	-29,21	-32676,77	-50890,12	17309300,12	3325-8	0
3325	4000	ENVELOPE	Combination	Min	-219,2	5774,3	-29,21	-32676,77	-36668,51	14562963,3	3325-8	500
3325	4000	ENVELOPE	Combination	Min	-1428,72	10062,64	-92,06	-52486,3	-62927,7	13734458,95	3325-9	0
3325	4500	ENVELOPE	Combination	Min	-1428,72	10635,84	-92,06	-52486,3	-16899,11	8558425,5	3325-9	500
3325	4500	ENVELOPE	Combination	Min	-2538,62	12476,92	-486	-40483,71	-50947,69	7325495,23	3325-10	0
3325	5000	ENVELOPE	Combination	Min	-2538,62	13050,12	-486	-40483,71	-192054,57	941611	3325-10	500

OUTPUT GAYA DALAM BALOK ANAK LANTAI

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
1768	0	ENVELOPE	Combination	Max	1082,81	-18846,08	163,31	44586,33	61675,49	-13656684,2	1768-1	0
1768	500	ENVELOPE	Combination	Max	1082,81	-18272,87	163,31	44586,33	19980,47	-4326453,15	1768-1	500
1768	500	ENVELOPE	Combination	Max	466,2	-18670,08	3,78	81099,38	17526,09	-2302123,3	1768-2	0
1768	1000	ENVELOPE	Combination	Max	466,2	-18096,87	3,78	81099,38	15862,47	12614886,52	1768-2	500
1768	1000	ENVELOPE	Combination	Max	23,86	-14902,34	3,18	71176,85	10364,77	17388605,52	1768-3	0
1768	1500	ENVELOPE	Combination	Max	23,86	-14329,13	3,18	71176,85	8990,92	38032066,46	1768-3	500
1768	1500	ENVELOPE	Combination	Max	492,2	-10313,78	4,43	56011,12	15604,35	41780327,27	1768-4	0
1768	2000	ENVELOPE	Combination	Max	492,2	-9740,57	4,43	56011,12	13604,88	57912234,96	1768-4	500
1768	2000	ENVELOPE	Combination	Max	1032,96	-7097,13	150,59	38256,29	17842,91	60817808,23	1768-5	0
1768	2500	ENVELOPE	Combination	Max	1032,96	-6523,92	150,59	38256,29	57602,72	72924785,92	1768-5	500
1768	2500	ENVELOPE	Combination	Max	860,36	1125,65	137,76	63923,83	51485,11	74272292,76	1768-6	0
1768	3000	ENVELOPE	Combination	Max	860,36	1698,86	137,76	63923,83	17404,9	74536552,73	1768-6	500
1768	3000	ENVELOPE	Combination	Max	344,76	9032,32	2,19	129085,31	15013,03	74138513,65	1768-7	0
1768	3500	ENVELOPE	Combination	Max	344,76	10064,1	2,19	129085,31	14047,36	69783337,98	1768-7	500
1768	3500	ENVELOPE	Combination	Max	63,03	23780,62	6,08	165767,59	10538,09	68210837,5	1768-8	0
1768	4000	ENVELOPE	Combination	Max	63,03	24697,75	6,08	165767,59	7606,2	56634607,55	1768-8	500
1768	4000	ENVELOPE	Combination	Max	412,13	39657,42	19,17	356326,29	13036,24	53378519,38	1768-9	0
1768	4500	ENVELOPE	Combination	Max	412,13	40574,55	19,17	356326,29	3453,14	33505774,83	1768-9	500
1768	4500	ENVELOPE	Combination	Max	731,02	51114,28	100,36	131802,66	10529,8	28737172,82	1768-10	0
1768	5000	ENVELOPE	Combination	Max	731,02	52146,06	100,36	131802,66	39650,45	3293993,99	1768-10	500
1768	0	ENVELOPE	Combination	Min	-1082,81	-56955,27	-163,31	-41235,01	-61675,49	-52420907	1768-1	0
1768	500	ENVELOPE	Combination	Min	-1082,81	-56038,13	-163,31	-41235,01	-19980,47	-24999241,7	1768-1	500
1768	500	ENVELOPE	Combination	Min	-466,2	-56375,81	-3,78	-88382,23	-17526,09	-19442646,5	1768-2	0
1768	1000	ENVELOPE	Combination	Min	-466,2	-55458,67	-3,78	-88382,23	-15862,47	1186582,9	1768-2	500
1768	1000	ENVELOPE	Combination	Min	-23,86	-45609,8	-3,18	-83773,89	-10364,77	3102594,18	1768-3	0
1768	1500	ENVELOPE	Combination	Min	-23,86	-44692,67	-3,18	-83773,89	-8990,92	11143630,25	1768-3	500
1768	1500	ENVELOPE	Combination	Min	-492,2	-33073,38	-4,43	-76468,74	-15604,35	12503872,85	1768-4	0
1768	2000	ENVELOPE	Combination	Min	-492,2	-32156,24	-4,43	-76468,74	-13604,88	17839383,37	1768-4	500
1768	2000	ENVELOPE	Combination	Min	-1032,96	-24672,52	-150,59	-30103,57	-17842,91	18675812,97	1768-5	0
1768	2500	ENVELOPE	Combination	Min	-1032,96	-23755,39	-150,59	-30103,57	-57602,72	22136048,86	1768-5	500
1768	2500	ENVELOPE	Combination	Min	-860,36	-2478,54	-137,76	-89901,88	-51485,11	22371319,58	1768-6	0
1768	3000	ENVELOPE	Combination	Min	-860,36	-1446,76	-137,76	-89901,88	-17404,9	21885604,89	1768-6	500
1768	3000	ENVELOPE	Combination	Min	-344,76	1948,98	-2,19	-124927,18	-15013,03	21588714,64	1768-7	0
1768	3500	ENVELOPE	Combination	Min	-344,76	2522,19	-2,19	-124927,18	-14047,36	19665176,32	1768-7	500
1768	3500	ENVELOPE	Combination	Min	-63,03	7354,63	-6,08	-165370,26	-10538,09	19023927,73	1768-8	0
1768	4000	ENVELOPE	Combination	Min	-63,03	7927,84	-6,08	-165370,26	-7606,2	14969294,24	1768-8	500
1768	4000	ENVELOPE	Combination	Min	-412,13	11467,69	-19,17	-354391,14	-13036,24	13926914,47	1768-9	0
1768	4500	ENVELOPE	Combination	Min	-412,13	12040,9	-19,17	-354391,14	-3453,14	8049664,77	1768-9	500
1768	4500	ENVELOPE	Combination	Min	-731,02	10700,99	-100,36	-123957,18	-10529,8	6799198,54	1768-10	0
1768	5000	ENVELOPE	Combination	Min	-731,02	11274,2	-100,36	-123957,18	-39650,45	1051096,83	1768-10	500

OUTPUT GAYA DALAM BALOK INDUK ATAP

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
3443	0	ENVELOPE	Combination	Max	5057,71	-66435,74	407,75	91216,62	194937,48	-48551207	3443-1	0
3443	350	ENVELOPE	Combination	Max	5057,71	-63670,29	407,75	91216,62	52223,47	-25780169,9	3443-1	350
3443	700	ENVELOPE	Combination	Max	5057,71	-60904,85	407,75	91216,62	91365,53	-3976333,19	3443-1	700
3443	700	ENVELOPE	Combination	Max	2048,77	-52138,97	25,15	19213,29	52145,98	-2169560,35	3443-2	0
3443	1050	ENVELOPE	Combination	Max	2048,77	-49373,52	25,15	19213,29	44524,44	15598307,23	3443-2	350
3443	1400	ENVELOPE	Combination	Max	2048,77	-46608,07	25,15	19213,29	38417,89	32399311,72	3443-2	700
3443	1400	ENVELOPE	Combination	Max	40,58	-37159,4	14,59	15153,54	13282,41	33745949,86	3443-3	0
3443	1750	ENVELOPE	Combination	Max	40,58	-34393,95	14,59	15153,54	12044,54	52383064,18	3443-3	350
3443	2100	ENVELOPE	Combination	Max	40,58	-31628,5	14,59	15153,54	13283,76	92261710,14	3443-3	700
3443	2100	ENVELOPE	Combination	Max	2081,64	-22808,17	40,32	7896,87	35561,45	95401171,19	3443-4	0
3443	2450	ENVELOPE	Combination	Max	2081,64	-20042,72	40,32	7896,87	48013,51	124411788,7	3443-4	350
3443	2800	ENVELOPE	Combination	Max	2081,64	-17277,27	40,32	7896,87	61363,69	154112958,7	3443-4	700
3443	2800	ENVELOPE	Combination	Max	4984,27	-10002,8	452,9	10758,84	106156,84	156465166,2	3443-5	0
3443	3150	ENVELOPE	Combination	Max	4984,27	-7237,35	452,9	10758,84	52359,02	171715776,5	3443-5	350
3443	3500	ENVELOPE	Combination	Max	4984,27	-4471,9	452,9	10758,84	210874,87	201540562	3443-5	700
3443	3500	ENVELOPE	Combination	Max	5108,7	58846,2	460,2	9594,91	215357,16	201996046,3	3443-6	0
3443	3850	ENVELOPE	Combination	Max	5108,7	63824,01	460,2	9594,91	54286,85	185703802,6	3443-6	350
3443	4200	ENVELOPE	Combination	Max	5108,7	68801,82	460,2	9594,91	106783,47	171731688,3	3443-6	700
3443	4200	ENVELOPE	Combination	Max	2191,81	89247,38	34,33	14314,27	60394,78	170030898,2	3443-7	0
3443	4550	ENVELOPE	Combination	Max	2191,81	94225,19	34,33	14314,27	48377,61	149419751,3	3443-7	350
3443	4900	ENVELOPE	Combination	Max	2191,81	99203	34,33	14314,27	36596,5	130272828,7	3443-7	700
3443	4900	ENVELOPE	Combination	Max	91,76	123836,06	1,12	14589,35	10376,58	128106461,4	3443-8	0
3443	5250	ENVELOPE	Combination	Max	91,76	128813,87	1,12	14589,35	10467,68	99574718,95	3443-8	350
3443	5600	ENVELOPE	Combination	Max	91,76	133791,68	1,12	14589,35	10757,39	69306454,87	3443-8	700
3443	5600	ENVELOPE	Combination	Max	2072,97	158118,72	45,41	11170,69	34848,71	66116565,67	3443-9	0
3443	5950	ENVELOPE	Combination	Max	2072,97	163096,52	45,41	11170,69	50608,3	43635454,2	3443-9	350
3443	6300	ENVELOPE	Combination	Max	2072,97	168074,33	45,41	11170,69	66390,13	31813192,95	3443-9	700
3443	6300	ENVELOPE	Combination	Max	5319,29	183932,27	476,26	44982,74	111523,66	30517574,97	3443-10	0
3443	6650	ENVELOPE	Combination	Max	5319,29	188910,07	476,26	44982,74	55166,75	18009642,32	3443-10	350
3443	7000	ENVELOPE	Combination	Max	5319,29	193887,88	476,26	44982,74	221857,16	4536245,79	3443-10	700
3443	0	ENVELOPE	Combination	Min	-5057,71	-260713,27	-407,75	-41948,65	-194937,48	-427289263	3443-1	0
3443	350	ENVELOPE	Combination	Min	-5057,71	-255735,46	-407,75	-41948,65	-52223,47	-336913217	3443-1	350
3443	700	ENVELOPE	Combination	Min	-5057,71	-250757,65	-407,75	-41948,65	-91365,53	-248280110	3443-1	700
3443	700	ENVELOPE	Combination	Min	-2048,77	-211467,03	-25,15	-15442,52	-52145,98	-241100492	3443-2	0
3443	1050	ENVELOPE	Combination	Min	-2048,77	-206489,22	-25,15	-15442,52	-44524,44	-167961329	3443-2	350
3443	1400	ENVELOPE	Combination	Min	-2048,77	-201511,41	-25,15	-15442,52	-38417,89	-96565443	3443-2	700
3443	1400	ENVELOPE	Combination	Min	-40,58	-168295,86	-14,59	-14567,72	-13282,41	-90619412	3443-3	0
3443	1750	ENVELOPE	Combination	Min	-40,58	-163318,05	-14,59	-14567,72	-12044,54	-38702257	3443-3	350
3443	2100	ENVELOPE	Combination	Min	-40,58	-158340,24	-14,59	-14567,72	-13283,76	-10736775	3443-3	700
3443	2100	ENVELOPE	Combination	Min	-2081,64	-129419,21	-40,32	-14637,66	-35561,45	-8410747,1	3443-4	0
3443	2450	ENVELOPE	Combination	Min	-2081,64	-124441,4	-40,32	-14637,66	-48013,51	14503147,27	3443-4	350
3443	2800	ENVELOPE	Combination	Min	-2081,64	-119463,59	-40,32	-14637,66	-61363,69	34016349,1	3443-4	700
3443	2800	ENVELOPE	Combination	Min	-4984,27	-96750,97	-452,9	-8195,96	-106156,84	35602689,62	3443-5	0
3443	3150	ENVELOPE	Combination	Min	-4984,27	-91773,16	-452,9	-8195,96	-52359,02	50900829,8	3443-5	350
3443	3500	ENVELOPE	Combination	Min	-4984,27	-86795,35	-452,9	-8195,96	-210874,87	60746140,01	3443-5	700
3443	3500	ENVELOPE	Combination	Min	-5108,7	-6411,01	-460,2	-13312,33	-215357,16	60913773,04	3443-6	0
3443	3850	ENVELOPE	Combination	Min	-5108,7	-3645,56	-460,2	-13312,33	-54286,85	56603537,6	3443-6	350
3443	4200	ENVELOPE	Combination	Min	-5108,7	-880,11	-460,2	-13312,33	-106783,47	48150384,25	3443-6	700
3443	4200	ENVELOPE	Combination	Min	-2191,81	5579,33	-34,33	-9540,26	-60394,78	47206463,34	3443-7	0
3443	4550	ENVELOPE	Combination	Min	-2191,81	8344,78	-34,33	-9540,26	-48377,61	33273192,29	3443-7	350
3443	4900	ENVELOPE	Combination	Min	-2191,81	11110,23	-34,33	-9540,26	-36596,5	15165556,78	3443-7	700
3443	4900	ENVELOPE	Combination	Min	-91,76	18207,04	-1,12	-16948,03	-10376,58	13309790,9	3443-8	0
3443	5250	ENVELOPE	Combination	Min	-91,76	20972,49	-1,12	-16948,03	-10467,68	-9228622,75	3443-8	350
3443	5600	ENVELOPE	Combination	Min	-91,76	23737,94	-1,12	-16948,03	-10757,39	-32740655	3443-8	700
3443	5600	ENVELOPE	Combination	Min	-2072,97	29558,79	-45,41	-14970,94	-34848,71	-35115398	3443-9	0
3443	5950	ENVELOPE	Combination	Min	-2072,97	32324,24	-45,41	-14970,94	-50608,3	-79676483	3443-9	350
3443	6300	ENVELOPE	Combination	Min	-2072,97	35089,68	-45,41	-14970,94	-66390,13	-137606557	3443-9	700
3443	6300	ENVELOPE	Combination	Min	-5319,29	34275,65	-476,26	-77668,85	-111523,66	-143459281	3443-10	0
3443	6650	ENVELOPE	Combination	Min	-5319,29	37041,09	-476,26	-77668,85	-55166,75	-208679187	3443-10	350
3443	7000	ENVELOPE	Combination	Min	-5319,29	39806,54	-476,26	-77668,85	-221857,16	-275643770	3443-10	700

OUTPUT GAYA DALAM BALOK INDUK LANTAI

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
1886	0	ENVELOPE	Combination	Max	1022,99	29515,09	116,01	380532,51	55383,48	258087653,7	1886-1	0
1886	350	ENVELOPE	Combination	Max	1022,99	32280,54	116,01	380532,51	14779,89	247277160,1	1886-1	350
1886	700	ENVELOPE	Combination	Max	1022,99	35045,99	116,01	380532,51	25997,69	235501671,1	1886-1	700
1886	700	ENVELOPE	Combination	Max	415,95	30401,6	5,2	103313,96	14366,09	234643390,5	1886-2	0
1886	1050	ENVELOPE	Combination	Max	415,95	33167,05	5,2	103313,96	12547,12	223519093,2	1886-2	350
1886	1400	ENVELOPE	Combination	Max	415,95	35932,5	5,2	103313,96	11023,89	211426993,6	1886-2	700
1886	1400	ENVELOPE	Combination	Max	7,25	40488,11	2,93	79452,75	3701,55	210191247	1886-3	0
1886	1750	ENVELOPE	Combination	Max	7,25	43253,55	2,93	79452,75	3484,04	215416157,4	1886-3	350
1886	2100	ENVELOPE	Combination	Max	7,25	46019	2,93	79452,75	3757,83	226966318,6	1886-3	700
1886	2100	ENVELOPE	Combination	Max	421,48	52362,95	11,15	35931,33	10125,24	227528387,5	1886-4	0
1886	2450	ENVELOPE	Combination	Max	421,48	55128,4	11,15	35931,33	13698,3	228716912,7	1886-4	350
1886	2800	ENVELOPE	Combination	Max	421,48	57893,85	11,15	35931,33	17450,2	228181833,4	1886-4	700
1886	2800	ENVELOPE	Combination	Max	1010,2	64311,85	129,2	16096,13	30270,69	227734770,6	1886-5	0
1886	3150	ENVELOPE	Combination	Max	1010,2	67077,3	129,2	16096,13	14949,57	218511272,5	1886-5	350
1886	3500	ENVELOPE	Combination	Max	1010,2	69842,75	129,2	16096,13	60169,84	211623481,1	1886-5	700
1886	3500	ENVELOPE	Combination	Max	1035,64	152605,19	131,6	8982,81	61584,4	211559948,4	1886-6	0
1886	3850	ENVELOPE	Combination	Max	1035,64	157582,99	131,6	8982,81	15525,73	204157223,6	1886-6	350
1886	4200	ENVELOPE	Combination	Max	1035,64	162560,8	131,6	8982,81	30532,93	213087496,2	1886-6	700
1886	4200	ENVELOPE	Combination	Max	444,31	187964,33	9,57	30704,54	17170,25	213489483	1886-7	0
1886	4550	ENVELOPE	Combination	Max	444,31	192942,13	9,57	30704,54	13820,31	213795651,9	1886-7	350
1886	4900	ENVELOPE	Combination	Max	444,31	197919,94	9,57	30704,54	10517,3	212361710,5	1886-7	700
1886	4900	ENVELOPE	Combination	Max	18,07	229805,23	0,24	70655,85	3020,73	211825684,4	1886-8	0
1886	5250	ENVELOPE	Combination	Max	18,07	234783,04	0,24	70655,85	3054,07	201088459,8	1886-8	350
1886	5600	ENVELOPE	Combination	Max	18,07	239760,85	0,24	70655,85	3126,92	197656614	1886-8	700
1886	5600	ENVELOPE	Combination	Max	420,93	273818,17	12,55	56437,83	10052,6	198969565,6	1886-9	0
1886	5950	ENVELOPE	Combination	Max	420,93	278795,98	12,55	56437,83	14418,1	212539834,4	1886-9	350
1886	6300	ENVELOPE	Combination	Max	420,93	283773,79	12,55	56437,83	18788,45	225142829,4	1886-9	700
1886	6300	ENVELOPE	Combination	Max	1077,08	315666,2	135,85	315901,16	31780,05	226068693,7	1886-10	0
1886	6650	ENVELOPE	Combination	Max	1077,08	320644,01	135,85	315901,16	15766,74	241828174,2	1886-10	350
1886	7000	ENVELOPE	Combination	Max	1077,08	325621,82	135,85	315901,16	63313,54	256620277,5	1886-10	700
1886	0	ENVELOPE	Combination	Min	-1022,99	-354479,67	-116,01	-304950,76	-55383,48	-693656201	1886-1	0
1886	350	ENVELOPE	Combination	Min	-1022,99	-349501,86	-116,01	-304950,76	-14779,89	-570463174	1886-1	350
1886	700	ENVELOPE	Combination	Min	-1022,99	-344524,05	-116,01	-304950,76	-25997,69	-449015291	1886-1	700
1886	700	ENVELOPE	Combination	Min	-415,95	-292390,15	-5,2	-135922,92	-14366,09	-439195589	1886-2	0
1886	1050	ENVELOPE	Combination	Min	-415,95	-287412,34	-5,2	-135922,92	-12547,12	-337730370	1886-2	350
1886	1400	ENVELOPE	Combination	Min	-415,95	-282434,53	-5,2	-135922,92	-11023,89	-238007488	1886-2	700
1886	1400	ENVELOPE	Combination	Min	-7,25	-241179,2	-2,93	-100352,68	-3701,55	-229593578	1886-3	0
1886	1750	ENVELOPE	Combination	Min	-7,25	-236201,39	-2,93	-100352,68	-3484,04	-165931677	1886-3	350
1886	2100	ENVELOPE	Combination	Min	-7,25	-231223,58	-2,93	-100352,68	-3757,83	-1111305166	1886-3	700
1886	2100	ENVELOPE	Combination	Min	-421,48	-196396,99	-11,15	-65094,64	-10125,24	-106613255	1886-4	0
1886	2450	ENVELOPE	Combination	Min	-421,48	-191419,19	-11,15	-65094,64	-13698,3	-58744933	1886-4	350
1886	2800	ENVELOPE	Combination	Min	-421,48	-186441,38	-11,15	-65094,64	-17450,2	-11863147,7	1886-4	700
1886	2800	ENVELOPE	Combination	Min	-1010,2	-159631,24	-129,2	-30630,61	-30270,69	-7789656,91	1886-5	0
1886	3150	ENVELOPE	Combination	Min	-1010,2	-154653,43	-129,2	-30630,61	-14949,57	33440554,77	1886-5	350
1886	3500	ENVELOPE	Combination	Min	-1010,2	-149675,62	-129,2	-30630,61	-60169,84	73353183,6	1886-5	700
1886	3500	ENVELOPE	Combination	Min	-1035,64	-69253,96	-131,6	-24898,89	-61584,4	76374112,09	1886-6	0
1886	3850	ENVELOPE	Combination	Min	-1035,64	-66488,51	-131,6	-24898,89	-15525,73	46484475,96	1886-6	350
1886	4200	ENVELOPE	Combination	Min	-1035,64	-63723,06	-131,6	-24898,89	-30532,93	4316063,79	1886-6	700
1886	4200	ENVELOPE	Combination	Min	-444,31	-57932	-9,57	-33265,45	-17170,25	200300,87	1886-7	0
1886	4550	ENVELOPE	Combination	Min	-444,31	-55166,56	-9,57	-33265,45	-13820,31	-46972251	1886-7	350
1886	4900	ENVELOPE	Combination	Min	-444,31	-52401,11	-9,57	-33265,45	-10517,3	-95114832	1886-7	700
1886	4900	ENVELOPE	Combination	Min	-18,07	-47299,42	-0,24	-74680,27	-3020,73	-99811521	1886-8	0
1886	5250	ENVELOPE	Combination	Min	-18,07	-44533,98	-0,24	-74680,27	-3054,07	-154306400	1886-8	350
1886	5600	ENVELOPE	Combination	Min	-18,07	-41768,53	-0,24	-74680,27	-3126,92	-218816797	1886-8	700
1886	5600	ENVELOPE	Combination	Min	-420,93	-40163,33	-12,55	-61215	-10052,6	-227087842	1886-9	0
1886	5950	ENVELOPE	Combination	Min	-420,93	-37397,88	-12,55	-61215	-14418,1	-323792374	1886-9	350
1886	6300	ENVELOPE	Combination	Min	-420,93	-34632,43	-12,55	-61215	-18788,45	-422239773	1886-9	700
1886	6300	ENVELOPE	Combination	Min	-1077,08	-46417,07	-135,85	-322750,23	-31780,05	-431889533	1886-10	0
1886	6650	ENVELOPE	Combination	Min	-1077,08	-43651,62	-135,85	-322750,23	-15766,74	-543241280	1886-10	350
1886	7000	ENVELOPE	Combination	Min	-1077,08	-40886,18	-135,85	-322750,23	-63313,54	-656335788	1886-10	700

OUTPUT GAYA DALAM BALOK LINK ARAH X

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
1925	0	ENVELOPE	Combination	Max	274,24	512747,44	345,78	1156791,53	59160,58	518382881	1925-1	0
1925	300	ENVELOPE	Combination	Max	274,24	513120,95	345,78	1156791,53	44574,6	364502990	1925-1	300
1925	300	ENVELOPE	Combination	Max	117,53	496142,65	97,56	428545,6	37882,51	359311835	1925-2	0
1925	650	ENVELOPE	Combination	Max	117,53	496578,41	97,56	428545,6	3736,97	185589033,4	1925-2	350
1925	1000	ENVELOPE	Combination	Max	117,53	497014,17	97,56	428545,6	30438,43	27713454,12	1925-2	700
1925	1000	ENVELOPE	Combination	Max	128,5	541018,47	103,29	314917,89	32172,09	26662463,52	1925-3	0
1925	1350	ENVELOPE	Combination	Max	128,5	541802,84	103,29	314917,89	3979,35	180393885,3	1925-3	350
1925	1700	ENVELOPE	Combination	Max	128,5	542587,21	103,29	314917,89	40130,8	351997990	1925-3	700
1925	1700	ENVELOPE	Combination	Max	299,84	574816,74	355,76	3229883,54	45796,58	357111736	1925-4	0
1925	2000	ENVELOPE	Combination	Max	299,84	575489,06	355,76	3229883,54	61718,36	509200955	1925-4	300
1925	0	ENVELOPE	Combination	Min	-274,24	-567095,34	-345,78	-3205334,56	-59160,58	-564758432	1925-1	0
1925	300	ENVELOPE	Combination	Min	-274,24	-566423,02	-345,78	-3205334,56	-44574,6	-394731044	1925-1	300
1925	300	ENVELOPE	Combination	Min	-117,53	-532417,28	-97,56	-309772,78	-37882,51	-389484827	1925-2	0
1925	650	ENVELOPE	Combination	Min	-117,53	-531632,91	-97,56	-309772,78	-3736,97	-203279427	1925-2	350
1925	1000	ENVELOPE	Combination	Min	-117,53	-530848,54	-97,56	-309772,78	-30438,43	-33348296	1925-2	700
1925	1000	ENVELOPE	Combination	Min	-128,5	-496649,2	-103,29	-428438,44	-32172,09	-32396599	1925-3	0
1925	1350	ENVELOPE	Combination	Min	-128,5	-496213,43	-103,29	-428438,44	-3979,35	-201870789	1925-3	350
1925	1700	ENVELOPE	Combination	Min	-128,5	-495777,67	-103,29	-428438,44	-40130,8	-389644709	1925-3	700
1925	1700	ENVELOPE	Combination	Min	-299,84	-511149,87	-355,76	-1192921,31	-45796,58	-394910092	1925-4	0
1925	2000	ENVELOPE	Combination	Min	-299,84	-510776,36	-355,76	-1192921,31	-61718,36	-566256246	1925-4	300

OUTPUT GAYA DALAM BALOK LINK ARAH Y

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
1931	0	ENVELOPE	Combination	Max	276,95	832054,25	192,65	2830569,99	24801,32	647605588	1931-1	0
1931	250	ENVELOPE	Combination	Max	276,95	832365,51	192,65	2830569,99	23561,44	439555830	1931-1	250
1931	250	ENVELOPE	Combination	Max	138,47	791065,55	70,32	436630,32	19408,93	421883270	1931-2	0
1931	750	ENVELOPE	Combination	Max	138,47	791688,07	70,32	436630,32	15927,13	33316966,11	1931-2	500
1931	750	ENVELOPE	Combination	Max	152,2	832084,49	81,07	469857,84	18099,51	26084057,08	1931-3	0
1931	1250	ENVELOPE	Combination	Max	152,2	833205,02	81,07	469857,84	22434,94	391869800	1931-3	500
1931	1250	ENVELOPE	Combination	Max	304,4	888931,97	200,13	854530,06	24175,6	409143591	1931-4	0
1931	1500	ENVELOPE	Combination	Max	304,4	889492,24	200,13	854530,06	28521,62	615726558	1931-4	250
1931	0	ENVELOPE	Combination	Min	-276,95	-876617,57	-192,65	-805821,24	-24801,32	-704090445	1931-1	0
1931	250	ENVELOPE	Combination	Min	-276,95	-876057,3	-192,65	-805821,24	-23561,44	-485008799	1931-1	250
1931	250	ENVELOPE	Combination	Min	-138,47	-819359,4	-70,32	-454315,94	-19408,93	-467329442	1931-2	0
1931	750	ENVELOPE	Combination	Min	-138,47	-818238,87	-70,32	-454315,94	-15927,13	-65051976	1931-2	500
1931	750	ENVELOPE	Combination	Min	-152,2	-791308,06	-81,07	-428716,73	-18099,51	-58039827	1931-3	0
1931	1250	ENVELOPE	Combination	Min	-152,2	-790685,54	-81,07	-428716,73	-22434,94	-444649549	1931-3	500
1931	1250	ENVELOPE	Combination	Min	-304,4	-830861,41	-200,13	-2920279,45	-24175,6	-462216537	1931-4	0
1931	1500	ENVELOPE	Combination	Min	-304,4	-830550,15	-200,13	-2920279,45	-28521,62	-683426085	1931-4	250

OUTPUT GAYA DALAM BALOK DI LUAR LINK ARAH X

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
1902	0	ENVELOPE	Combination	Max	580,47	98666,3	327,55	870937,62	96515,92	371128803	1902-1	0
1902	400	ENVELOPE	Combination	Max	580,47	99164,32	327,55	870937,62	34503,39	331583939	1902-1	400
1902	400	ENVELOPE	Combination	Max	246,05	90950,5	15,36	190856,03	23320,97	332109633	1902-2	0
1902	750	ENVELOPE	Combination	Max	246,05	91386,26	15,36	190856,03	17945,6	300227145,3	1902-2	350
1902	1100	ENVELOPE	Combination	Max	246,05	91822,03	15,36	190856,03	14076,7	268766929,8	1902-2	700
1902	1100	ENVELOPE	Combination	Max	122,9	94521,79	14,69	341601,98	12789,17	267482570,3	1902-3	0
1902	1450	ENVELOPE	Combination	Max	122,9	94957,55	14,69	341601,98	14606,91	243119474,9	1902-3	350
1902	1800	ENVELOPE	Combination	Max	122,9	95393,31	14,69	341601,98	18138,88	218758859	1902-3	700
1902	1800	ENVELOPE	Combination	Max	493,11	91573,08	105,01	728440,45	23350,68	217323467,5	1902-4	0
1902	2150	ENVELOPE	Combination	Max	493,11	92008,84	105,01	728440,45	14394,51	195212994,8	1902-4	350
1902	2500	ENVELOPE	Combination	Max	493,11	92444,6	105,01	728440,45	51119,18	172874200,5	1902-4	700
1902	0	ENVELOPE	Combination	Min	-580,47	-173058,67	-327,55	-2415615,59	-96515,92	-436232639	1902-1	0
1902	400	ENVELOPE	Combination	Min	-580,47	-172162,25	-327,55	-2415615,59	-34503,39	-367209715	1902-1	400
1902	400	ENVELOPE	Combination	Min	-246,05	-144130,08	-15,36	-52242,88	-23320,97	-367196344	1902-2	0
1902	750	ENVELOPE	Combination	Min	-246,05	-143345,71	-15,36	-52242,88	-17945,6	-316914526	1902-2	350
1902	1100	ENVELOPE	Combination	Min	-246,05	-142561,34	-15,36	-52242,88	-14076,7	-267482027	1902-2	700
1902	1100	ENVELOPE	Combination	Min	-122,9	-132010,8	-14,69	-67140,62	-12789,17	-265499771	1902-3	0
1902	1450	ENVELOPE	Combination	Min	-122,9	-131226,43	-14,69	-67140,62	-14606,91	-228229043	1902-3	350
1902	1800	ENVELOPE	Combination	Min	-122,9	-130442,06	-14,69	-67140,62	-18138,88	-191387842	1902-3	700
1902	1800	ENVELOPE	Combination	Min	-493,11	-126126,68	-105,01	-289623,37	-23350,68	-189684962	1902-4	0
1902	2150	ENVELOPE	Combination	Min	-493,11	-125342,31	-105,01	-289623,37	-14394,51	-155694252	1902-4	350
1902	2500	ENVELOPE	Combination	Min	-493,11	-124557,94	-105,01	-289623,37	-51119,18	-121902267	1902-4	700

OUTPUT GAYA DALAM BALOK DI LUAR LINK ARAH Y

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
1914	0	ENVELOPE	Combination	Max	705,17	164032,59	294,17	2728697,7	61854,17	439064465	1914-1	0
1914	250	ENVELOPE	Combination	Max	705,17	164343,85	294,17	2728697,7	11688,4	398046385	1914-1	250
1914	250	ENVELOPE	Combination	Max	272,66	127263,07	36,29	104215,99	8122,28	401305544	1914-2	0
1914	750	ENVELOPE	Combination	Max	272,66	127885,59	36,29	104215,99	18482,64	337612061	1914-2	500
1914	750	ENVELOPE	Combination	Max	120,37	129242,74	30,57	129858,71	17637,64	333510776	1914-3	0
1914	1250	ENVELOPE	Combination	Max	120,37	129865,26	30,57	129858,71	17062,64	286016802,5	1914-3	500
1914	1250	ENVELOPE	Combination	Max	518,47	123926,34	113,21	244969,09	17112,88	283385660,5	1914-4	0
1914	1750	ENVELOPE	Combination	Max	518,47	124548,85	113,21	244969,09	40696,66	247301287,9	1914-4	500
1914	0	ENVELOPE	Combination	Min	-705,17	-263542,5	-294,17	-780157,32	-61854,17	-518008141	1914-1	0
1914	250	ENVELOPE	Combination	Min	-705,17	-262982,24	-294,17	-780157,32	-11688,4	-452221524	1914-1	250
1914	250	ENVELOPE	Combination	Min	-272,66	-208151,54	-36,29	-210199,48	-8122,28	-453932257	1914-2	0
1914	750	ENVELOPE	Combination	Min	-272,66	-207031,01	-36,29	-210199,48	-18482,64	-350230299	1914-2	500
1914	750	ENVELOPE	Combination	Min	-120,37	-202727,56	-30,57	-367871,59	-17637,64	-343753053	1914-3	0
1914	1250	ENVELOPE	Combination	Min	-120,37	-201607,03	-30,57	-367871,59	-17062,64	-259952433	1914-3	500
1914	1250	ENVELOPE	Combination	Min	-518,47	-200016,05	-113,21	-872056,28	-17112,88	-255136769	1914-4	0
1914	1750	ENVELOPE	Combination	Min	-518,47	-198895,52	-113,21	-872056,28	-40696,66	-181443302	1914-4	500

OUTPUT GAYA DALAM BRESING ARAH X

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
1724	0	ENVELOPE	Combination	Max	743473,14	51946,24	6372,45	40443,03	27601046,49	115819789,9	1724-1	0
1724	2358,5	ENVELOPE	Combination	Max	745441,26	53176,32	6372,45	40443,03	13276763,11	11697707,78	1724-1	2358,5
1724	4716,99	ENVELOPE	Combination	Max	747409,39	54406,4	6372,45	40443,03	6679339,48	143061900,7	1724-1	4716,99
1724	0	ENVELOPE	Combination	Min	-918416,81	-59022,15	-7709,17	-37186,86	-29684762,9	-124901865	1724-1	0
1724	2358,5	ENVELOPE	Combination	Min	-914874,18	-56808	-7709,17	-37186,86	-12207818,5	-8152882,15	1724-1	2358,5
1724	4716,99	ENVELOPE	Combination	Min	-911331,55	-54593,86	-7709,17	-37186,86	-2457733,83	-135013356	1724-1	4716,99

OUTPUT GAYA DALAM BRESING ARAH Y

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
1603	0	ENVELOPE	Combination	Max	1110804,18	75357,44	7207,56	22045,88	25301277,47	161640841	1603-1	0
1603	2183,03	ENVELOPE	Combination	Max	1112772,31	76218,5	7207,56	22045,88	10338984,81	7745678,85	1603-1	2183,03
1603	4366,06	ENVELOPE	Combination	Max	1114740,44	77079,55	7207,56	22045,88	1786765,14	182380657,2	1603-1	4366,06
1603	0	ENVELOPE	Combination	Min	-1293832,6	-82341,46	-5710,07	-24416,04	-23143749,1	-170362968	1603-1	0
1603	2183,03	ENVELOPE	Combination	Min	-1290289,97	-80791,56	-5710,07	-24416,04	-11450532,1	-3853072,43	1603-1	2183,03
1603	4366,06	ENVELOPE	Combination	Min	-1286747,34	-79241,66	-5710,07	-24416,04	-6167388	-171136509	1603-1	4366,06

OUTPUT GAYA DALAM KOLOM

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
201	0	ENVELOPE	Combination	Max	-3180159,48	300056,23	254074,55	0,13	635806179	1065619942	201-1	0
201	2000	ENVELOPE	Combination	Max	-3166183,75	300056,23	254074,55	0,13	128923987,5	467775927	201-1	2000
201	4000	ENVELOPE	Combination	Max	-3152208,02	300056,23	254074,55	0,13	378174857	125321332	201-1	4000
201	0	ENVELOPE	Combination	Min	-7971827,77	-296215,39	-253195,63	-0,13	-634658303	-1061189401	201-1	0
201	2000	ENVELOPE	Combination	Min	-7949466,59	-296215,39	-253195,63	-0,13	-129533939	-471027064	201-1	2000
201	4000	ENVELOPE	Combination	Min	-7927105,42	-296215,39	-253195,63	-0,13	-380542636	-136254148	201-1	4000

TABLE: Element Forces - Frames												
Frame	Station	OutputCase	CaseType	StepType	P	V2	V3	T	M2	M3	FrameElem	ElemStation
Text	mm	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm	Text	mm
281	0	ENVELOPE	Combination	Max	-782839,78	295745,49	184866,81	0,13	545402939	1060657767	281-1	0
281	2000	ENVELOPE	Combination	Max	-768864,05	295745,49	184866,81	0,13	186756504,9	469695238	281-1	2000
281	4000	ENVELOPE	Combination	Max	-754888,31	295745,49	184866,81	0,13	299058016,4	126272245,2	281-1	4000
281	0	ENVELOPE	Combination	Min	-6142626,95	-296613,81	-223783,02	-0,13	-596228156	-1061659407	281-1	0
281	2000	ENVELOPE	Combination	Min	-6117470,63	-296613,81	-223783,02	-0,13	-159749302	-468960234	281-1	2000
281	4000	ENVELOPE	Combination	Min	-6092314,31	-296613,81	-223783,02	-0,13	-194218393	-123800596	281-1	4000

OUTPUT REAKSI PERLETAKAN

TABLE: Joint Reactions									
Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
Text	Text	Text	Text	N	N	N	N-mm	N-mm	N-mm
1	ENVELOPE	Combination	Max	722970.91	716594.51	9915234.78	702010206	1092402495	17312536.73
1	ENVELOPE	Combination	Min	-648445.13	-663836.16	-5691252.17	-691142984	-1104006473	-17038423.5
112	ENVELOPE	Combination	Max	297411.43	739802.57	8363622.28	739339013	1077341660	10122539.24
112	ENVELOPE	Combination	Min	-230186.72	-784144	-2639385.65	-777605000	-999547358	-925589.79
113	ENVELOPE	Combination	Max	296589.34	778031.96	8836265.46	775865146	1076403904	9233518.82
113	ENVELOPE	Combination	Min	-231684.4	-731975.67	-2621771.68	-736330733	-1001276189	-10133088.4
114	ENVELOPE	Combination	Max	296589.33	731975.67	8836265.45	736330732	1076403899	10133088.39
114	ENVELOPE	Combination	Min	-231684.4	-778031.97	-2621771.67	-775865145	-1001276184	-9233518.82
115	ENVELOPE	Combination	Max	297411.43	784144	8363622.32	777605001	1077341662	925589.74
115	ENVELOPE	Combination	Min	-230186.72	-739802.57	-2639385.68	-739339014	-999547351	-10122539.2
116	ENVELOPE	Combination	Max	722970.9	663836.16	9915234.78	691142982	1092402481	17038423.51
116	ENVELOPE	Combination	Min	-648445.12	-716594.51	-5691252.15	-702010205	-1104006458	-17312536.7
117	ENVELOPE	Combination	Max	704693.34	230095.72	8665244.81	567529662	1165519555	14596051.13
117	ENVELOPE	Combination	Min	-756438.35	-190251.16	-2593333.59	-619586789	-1116093070	-15703179.8
118	ENVELOPE	Combination	Max	296215.39	254074.55	7971827.77	634658302	1061189405	0.13
118	ENVELOPE	Combination	Min	-30006.23	-253195.63	3180159.28	-635806178	-1065619947	-0.13
119	ENVELOPE	Combination	Max	296455.12	250232.25	8167977.47	630427071	1061467152	0.13
119	ENVELOPE	Combination	Min	-300260.14	-249954.11	3427205.17	-630790322	-1065856377	-0.13
120	ENVELOPE	Combination	Max	296455.11	249954.11	8167977.47	630790311	1061467148	0.13
120	ENVELOPE	Combination	Min	-300260.14	-250232.24	3427204.88	-630427060	-1065856372	-0.13
121	ENVELOPE	Combination	Max	296215.39	253195.63	7971827.77	633806179	1061189401	0.13
121	ENVELOPE	Combination	Min	-30006.23	-254074.55	3180159.48	-634658303	-1065619942	-0.13
122	ENVELOPE	Combination	Max	704693.33	190251.16	8665244.84	619586790	1165519544	15703179.78
122	ENVELOPE	Combination	Min	-756438.34	-230095.72	-2593333.63	-567529663	-1116093059	-14596051.1
123	ENVELOPE	Combination	Max	295873.84	232769.86	6148178.55	545420224	1060805618	0.13
123	ENVELOPE	Combination	Min	-296392.97	-184880.03	757383.94	-596210997	-1061404450	-0.13
124	ENVELOPE	Combination	Max	296728.49	252554.09	8043143.64	634443482	1061786266	0.13
124	ENVELOPE	Combination	Min	-296499.3	-253031.07	3356994.42	-633820535	-1061521892	-0.13
125	ENVELOPE	Combination	Max	296498.67	250245.01	8181559.54	630502971	1061519714	0.13
125	ENVELOPE	Combination	Min	-296124.98	-250012.16	3451866.59	-630807075	-1061088647	-0.13
126	ENVELOPE	Combination	Max	296498.67	250012.15	8181559.54	63087064	1061519713	0.13
126	ENVELOPE	Combination	Min	-296124.98	-250245.01	3451866.93	-630502960	-1061088646	-0.13
127	ENVELOPE	Combination	Max	296728.48	253031.07	8043143.64	633820536	1061786256	0.13
127	ENVELOPE	Combination	Min	-296499.3	-252554.09	3356994.4	-634443482	-1061521881	-0.13
128	ENVELOPE	Combination	Max	295873.83	184880.02	6148178.52	596210989	1060805602	0.13
128	ENVELOPE	Combination	Min	-296392.96	-232769.86	757383.96	-545420216	-1061404434	-0.13
129	ENVELOPE	Combination	Max	296613.81	223783.02	6142626.95	545402939	1061659407	0.13
129	ENVELOPE	Combination	Min	-295745.48	-184866.81	782839.78	-596228156	-1060657767	-0.13
130	ENVELOPE	Combination	Max	296726.01	252576.33	8041529.83	634527760	1061783325	0.13
130	ENVELOPE	Combination	Min	-296568.99	-253095.52	3356182.63	-633849683	-1061602190	-0.13
131	ENVELOPE	Combination	Max	296265.88	250240.54	8172888.63	630503342	1061251024	0.13
131	ENVELOPE	Combination	Min	-296350.15	-250012.45	3449326.88	-630801232	-1061348236	-0.13
132	ENVELOPE	Combination	Max	296265.88	250012.45	8172888.63	630801242	1061251020	0.13
132	ENVELOPE	Combination	Min	-296350.15	-250240.54	3449326.83	-630503351	-1061348232	-0.13
133	ENVELOPE	Combination	Max	296726.01	253095.52	8041529.83	633849683	1061783319	0.13
133	ENVELOPE	Combination	Min	-296568.98	-252576.33	3356182.75	-634527761	-1061602184	-0.13
134	ENVELOPE	Combination	Max	296613.81	184866.81	6142626.91	596228164	1061659398	0.13
134	ENVELOPE	Combination	Min	-295745.48	-223783.02	782839.82	-545402947	-1060657758	-0.13
135	ENVELOPE	Combination	Max	752342.32	229818.96	8000969.09	568727102	1114649140	15659948.08
135	ENVELOPE	Combination	Min	-704728.95	-191165.73	-2424203.71	-619227165	-1165884069	-14618865.3
136	ENVELOPE	Combination	Max	295981	254264.58	7984334.46	634784104	1060921173	0.13
136	ENVELOPE	Combination	Min	-296276.05	-253291.6	3175764.21	-63054830	-1061261516	-0.13
137	ENVELOPE	Combination	Max	296567.19	250120.96	8180517.36	630529214	1061598905	0.13
137	ENVELOPE	Combination	Min	-296312.54	-250060.42	3450354.7	-630645040	-1061305160	-0.13
138	ENVELOPE	Combination	Max	296567.19	250060.42	8180517.36	630645040	1061598907	0.13
138	ENVELOPE	Combination	Min	-296312.54	-250120.96	3450354.65	-63052922	-1061305158	-0.13
139	ENVELOPE	Combination	Max	295981	253291.6	7984334.46	63054830	1060921168	0.13
139	ENVELOPE	Combination	Min	-296276.05	-254264.58	3175764.28	-634784104	-1061261511	-0.13
140	ENVELOPE	Combination	Max	752342.32	191165.74	8000969.07	619227165	1114649133	14618865.33
140	ENVELOPE	Combination	Min	-704728.94	-229818.96	-2424203.69	-568727103	-1165884054	-15659948.1
141	ENVELOPE	Combination	Max	704728.95	229818.96	8000969.08	568727104	1165884067	14618865.32
141	ENVELOPE	Combination	Min	-752342.33	-191165.74	-2424203.7	-619227166	-1114649146	-15659948.1
142	ENVELOPE	Combination	Max	296276.05	254264.58	7984334.46	634784105	1061261521	0.13
142	ENVELOPE	Combination	Min	-295981.01	-253291.6	3175764.21	-63054831	-1060921178	-0.13
143	ENVELOPE	Combination	Max	296312.54	250120.96	8180517.35	630529213	1061305162	0.13
143	ENVELOPE	Combination	Min	-296567.19	-250060.42	3450354.69	-630645040	-1061598907	-0.13
144	ENVELOPE	Combination	Max	296312.54	250060.42	8180517.36	630645041	1061305159	0.13
144	ENVELOPE	Combination	Min	-296567.19	-250120.96	3450354.76	-630529215	-1061598904	-0.13
145	ENVELOPE	Combination	Max	296276.04	253291.6	7984334.46	63054830	1061261510	0.13
145	ENVELOPE	Combination	Min	-295981	-254264.58	3175764.18	-634784104	-1060921167	-0.13
146	ENVELOPE	Combination	Max	704728.94	191165.74	8000969.08	619227165	1165884057	15659948.08
146	ENVELOPE	Combination	Min	-752342.31	-229818.96	-2424203.7	-568727103	-1114649136	-14618865.3
147	ENVELOPE	Combination	Max	295745.49	223783.02	6142626.91	545402948	1060657770	0.13
147	ENVELOPE	Combination	Min	-296613.81	-184866.81	782839.82	-596228166	-1061659409	-0.13
148	ENVELOPE	Combination	Max	296568.99	252576.33	8041529.83	634527763	1061602189	0.13
148	ENVELOPE	Combination	Min	-296726.01	-253095.52	3356182.63	-633849684	-1061783314	-0.13
149	ENVELOPE	Combination	Max	296350.15	250240.54	8172888.63	630503354	1061348232	0.13
149	ENVELOPE	Combination	Min	-296265.88	-250012.45	3449326.83	-630801243	-1061251020	-0.13
150	ENVELOPE	Combination	Max	296350.15	250012.45	8172888.63	630801235	1061348233	0.13
150	ENVELOPE	Combination	Min	-296265.88	-250240.54	3449326.95	-630503345	-1061251021	-0.13
151	ENVELOPE	Combination	Max	296568.98	253095.52	8041529.83	633849685	1061602182	0.13
151	ENVELOPE	Combination	Min	-296276.01	-252576.33	3356182.52	-634527762	-1061783317	-0.13
152	ENVELOPE	Combination	Max	295745.48	184866.81	6142626.95	596228160	1060657755	0.13
152	ENVELOPE	Combination	Min	-296613.81	-223783.02	782839.78	-545402943	-1061659395	-0.13
153	ENVELOPE	Combination	Max	296392.97	223769.86	6148178.54	545420220	1061404447	0.13
153	ENVELOPE	Combination	Min	-295873.84	-184880.02	757383.95	-596210993	-1060805615	-0.13
154	ENVELOPE	Combination	Max	296499.3	252554.09	8043143.64	634443485	1061521890	0.13
154	ENVELOPE	Combination	Min	-296728.49	-253031.07	3356994.31	-633820538	-1061786265	-0.13
155	ENVELOPE	Combination	Max	296124.98	250245.01	8181559.54	630502964	1061088649	0.13
155	ENVELOPE	Combination	Min	-296498.68	-250012.16	3451866.6	-630807068	-1061519716	-0.13
156	ENVELOPE	Combination	Max	296124.98	250012.16	8181559.54	630807077	1061088645	0.13
156	ENVELOPE	Combination	Min	-296498.67	-250245.01	3451866.67	-630502973	-1061519712	-0.13
157	ENVELOPE	Combination	Max	296499.3	253031.07	8043143.64	633820540	1061521885	0.13
157	ENVELOPE	Combination	Min	-296728.49	-252554.09	3356994.56	-634443487	-1061786260	-0.13
158	ENVELOPE	Combination	Max	296392.96	184880.03	6148178.51	596210999	1061404438	0.13
158	ENVELOPE	Combination	Min	-295873.83	-223769.86	757383.98	-545420226	-1060805606	-0.13
159	ENVELOPE	Combination	Max	756438.35	230095.72	8665244.82	567529666	1116093072	15703179.91
159	ENVELOPE	Combination	Min	-704693.34	-190251.16	-2593333.61	-567529664	-1165519557	-14596051.2
160	ENVELOPE	Combination	Max	30006.23	254074.55	7971827.77	634658307	1061521890	0.13
160	ENVELOPE	Combination	Min	-296215.39	-253195.64	3180159.47	-633806183	-1061189406	-0.13
161	ENVELOPE	Combination	Max	300260.14	250232.25	8167977.47	630427066	1065856375	0.13
161	ENVELOPE	Combination	Min	-296455.12	-249954.11	3427204.83	-630790317	-1061467151	-0.13
162	ENVELOPE	Combination	Max	300260.14	249954.11	8167977.47	630790325	1065856375	0.13
162	ENVELOPE	Combination	Min	-296455.12	-250232.25	3427204.86	-630427074	-1061467150	-0.13
163	ENVELOPE	Combination	Max	30006.23</					

CATATAN KEGIATAN ASISTENSI

TUGAS, PRAKTIKUM, KERJA PRAKTEK, TUGAS AKHIR DLL.

MACAM/JENIS TUGAS : Tugas Akhir

NAMA MAHASISWA : Lailatul Aqtiyah

NO. POKOK MHS. : 20110022

TGL DIBERIKAN :

NO.	TGL. ASISTENSI	CATATAN KEGIATAN	PARAF	
			DOSEN	MHS
1	18 Oktober 2023	<ul style="list-style-type: none"> Peraturan beban gunakan SNI Balok anak bentang 5 meter 	} Wt	
2		<ul style="list-style-type: none"> Hitung ulang beban plat ekuivalen Preliminary design kolom, balok induk 		
3	24 Oktober 2023	<ul style="list-style-type: none"> Preliminary kolom Perhitungan balok anak 	} Wt	
4	31 Oktober 2023	<ul style="list-style-type: none"> Cek perhitungan beban plat lantai Cek perhitungan beban tributary area 	} Wt	
5		<ul style="list-style-type: none"> Trial preliminary design menggunakan program struktur 		
6	29 November 2023	<ul style="list-style-type: none"> Sempurnakan gambar Denah tangga 	} Wt	
7		<ul style="list-style-type: none"> Lanjut perhitungan beban gempa dan analisa gaya dalam portal 		
8	18 Desember 2023	<ul style="list-style-type: none"> Referensi ditambah Cek perhitungan pondasi 	} Wt	
9		<ul style="list-style-type: none"> Susun materi presentasi 		
10		Acc daftar ujian TA <u>Wt</u>		
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

REVISI TUGAS PROPOSAL TA / TUGAS AKHIR

NAMA : LAILAUL
 NPM : 20110022
 JUDUL TOPIK KHUSUS/TUGAS AKHIR :

NO.	URAIAN	PARAF
1.	talim gempa? → jktad ✓	
2.	SRBE -type ✓	
3.	Syarat Talim gempa ✓	
4.	Ketala Arsitektur dgn SRBE ✓	
5.	Kondisi sebelum kompres ✓	
6.	ketalaman SPT. ✓	
7.	Simpang antas lantai (drift) ✓	
8.	pertetaha brace pd Analisa Struktur ✓	
9.	ketalaman Angker ✓	
20.	Konsep partisi Sloof ✓	
21.	Las uti & seplast ✓	

[Signature]

[Signature] 14/2017

27/12/2017

Surabaya,
 Penguji,

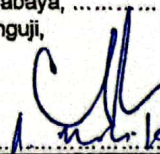
.....

REVISI TUGAS PROPOSAL TA / TUGAS AKHIR

NAMA :
 N P M :
 JUDUL TOPIK KHUSUS/TUGAS AKHIR :

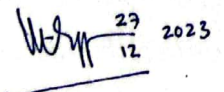
NO.	U R A I A N	PARAF
1.	ABSTRAK hal <u>TD</u>	
2	BAB I hal 47, 48	
3.	BAB II hal 57, 59	
4.	BAB III hal 99, 100 dan seterusnya hal 199, 150, 219, 220, 218	
5.	data pemukiman untuk metode sondir γ_s nilai 71,86 kg/cm Tidak sesuai data sondir lampiran	

Surabaya,
 Penguji,



REVISI ~~TUGAS PROPOSAL TA~~ / TUGAS AKHIR

NAMA : LAILATUL QIRTIYAH
 NPM : 20110022
 JUDUL TOPIK KHUSUS/TUGAS AKHIR :
 Perencanaan Gedung Perkantoran CIVTON 10 lantai
 di Bandung Menggunakan Struktur Baja Sistem
 Rangka Bering Eksentrik (SRBE)

NO.	URAIAN	PARAF
1.	Abstrak disusun 1 paragraf	
2.	Gambar komposit (diagram) balok komposit lengkapi Shear connector	
3.	Judul : tambahkan tahan gempa dan SN1 gempa yang digunakan	
4.	Diagram tegangan komposit.	
5.	Base plate : panjang angker baut Perhitungan las kolom ke base plate	
6.	Penulangan plat atap → gambar perbaiki	
7.	Gambar sloof	
8.	Perhitungan pondasi tiang SPT dan CPT → cek !	
 Utari Kh.		

Surabaya,
 Penguji,

BIODATA PENULIS



Lailatul Qiftiyah. Penulis lahir di Sidoarjo, 25 April 2002, merupakan anak tunggal. Penulis telah menempuh pendidikan formal di TK Muslimat NU Al Istiqomah Menyanggong, SDN Geluran 1, SMPN 1 Taman, SMAN 1 Taman lulus pada tahun 2020. Setelah lulus, penulis melanjutkan Pendidikan S1 di Program Studi Teknik Sipil Fakultas Teknik Universitas Wijaya Kusuma Surabaya dan terdaftar dengan NPM 20110022. Saat kuliah, Penulis aktif di organisasi kemahasiswaan menjabat sebagai Koordinator Divisi Minat dan Bakat pada Badan Eksekutif

Mahasiswa Fakultas Teknik periode 2021-2022, menjabat sebagai Bendahara pada Badan Eksekutif Mahasiswa Fakultas Teknik periode 2022-2023, menjabat sebagai Bendahara pada Dewan Perwakilan Mahasiswa Fakultas Teknik periode 2023-2024. Penulis mendapat beasiswa dari CSR PT. Moduit Digital Indonesia pada tahun 2022 dan mendapat beasiswa dari Pemerintah Kabupaten Sidoarjo Kategori Bidang Akademik pada tahun 2022. Penulis lulus dan memperoleh gelar Sarjana Teknik pada tahun 2024 dengan Judul Tugas Akhir “Perencanaan Gedung Perkantoran Civton 10 Lantai Tahan Gempa Menggunakan Struktur Baja Sistem Rangka Bresing Eksentrik (SRBE) *Split-K* Berdasarkan SNI 1726 – 2019 Di Kota Bandung”. Penulis berharap agar Tugas Akhir ini dapat bermanfaat bagi para pembaca dan juga bagi penulis sendiri.