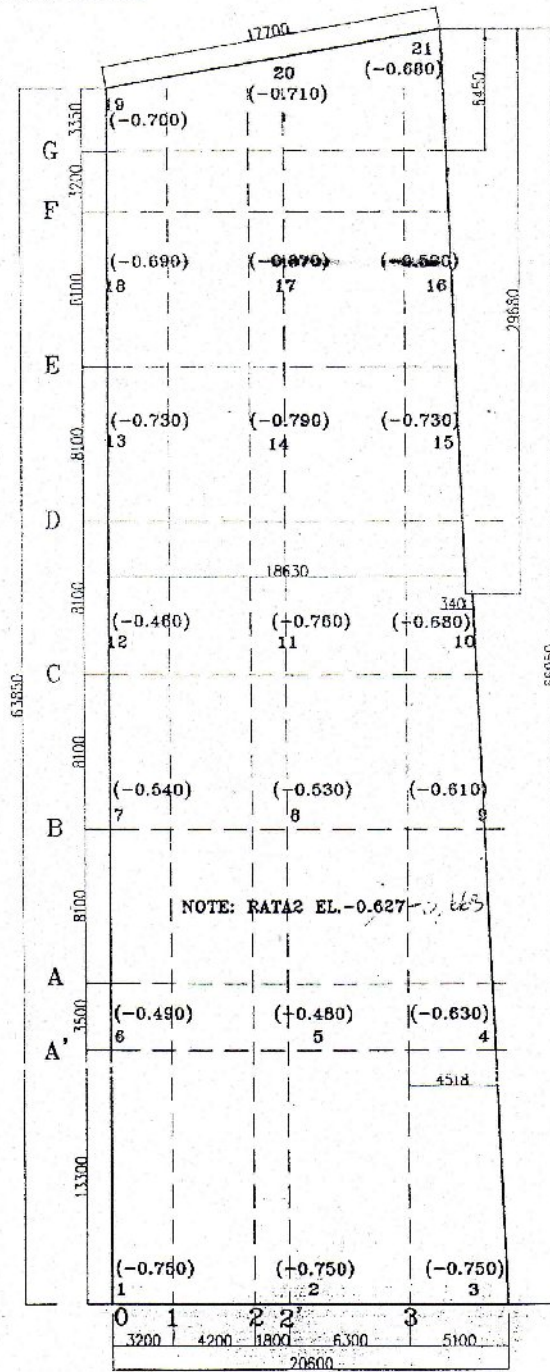
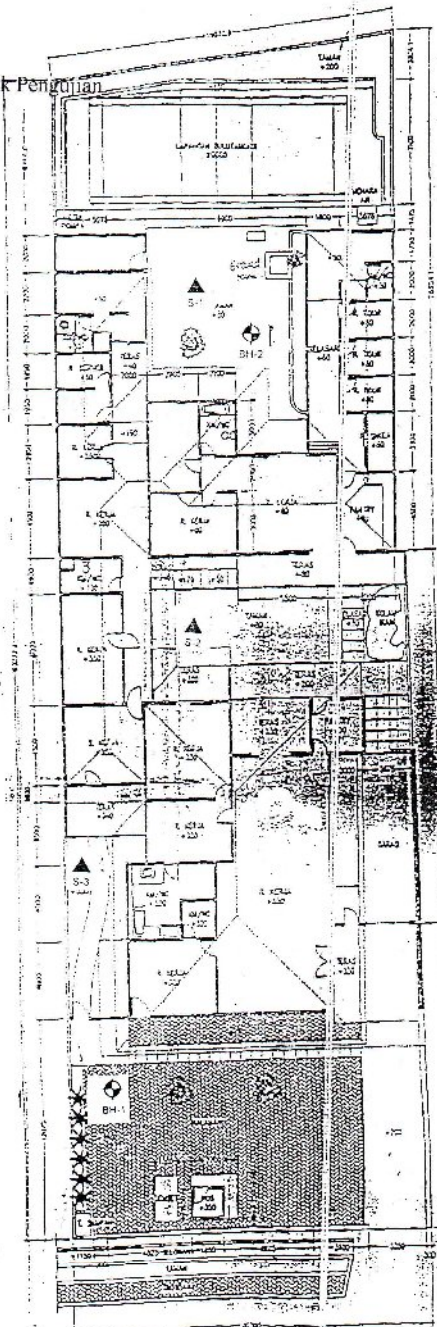


DATA UKUR KANTOR KOMPAS BANDUNG  
 JL.MARTADINATA NO.46

22/12/05



Lokasi Titik Pengujian



3

SEKELAH EKSTENSIF  
JALAN 11 20



**DUTCH CONE PENETROMETER TEST**

Project : Pembangunan Gedung Kompas.  
Location : Jl. RE Martadinata, Bandung.  
Sounding No : S-1  
Sta/Ch (M)  
Date : April 22, 2005.

Depth of Sounding : 4.20m.  
Ground Surface Level  
Ground Water Level : -2.40m.  
Operator : Tugiran  
Checked by : MS

DEPTH (M)	Manometer Reading		Total Cum. Friction (kg/cm <sup>2</sup> )	Local Friction (kg/cm <sup>2</sup> )	Friction Ratio (%)	DEPTH (M)	Manometer Reading		Total Cum. Friction (kg/cm <sup>2</sup> )	Local Friction (kg/cm <sup>2</sup> )	Friction Ratio (%)
	Cone (kg/cm <sup>2</sup> )	Total (kg/cm <sup>2</sup> )					Cone (kg/cm <sup>2</sup> )	Total (kg/cm <sup>2</sup> )			
0.00						10.20					
0.20						10.40					
0.40	3	4	1.33	0.07	2.22	10.60					
0.60	3	4	2.67	0.07	2.22	10.80					
0.80	3	5	5.33	0.13	4.44	11.00					
1.00	9	18	17.33	0.60	8.67	11.20					
1.20	9	16	26.67	0.47	5.19	11.40					
1.40	9	14	33.33	0.33	3.70	11.60					
1.60	4	9	40.00	0.33	8.33	11.80					
1.80	14	18	45.33	0.27	1.90	12.00					
2.00	14	19	52.00	0.33	2.38	12.20					
2.20	11	17	60.00	0.40	3.64	12.40					
2.40	14	18	65.33	0.27	1.90	12.60					
2.60	21	32	66.00	0.73	3.49	12.80					
2.80	19	30	94.67	0.73	3.86	13.00					
3.00	21	34	112.00	0.87	4.13	13.20					
3.20	32	38	117.33	0.27	0.83	13.40					
3.40	14	30	138.67	1.07	7.62	13.60					
3.60	54	85	153.33	0.73	1.36	13.80					
3.80	50	60	168.67	0.67	1.33	14.00					
4.00	40	80	220.00	2.57	6.67	14.20					
4.20	250	250	220.00	0.00	0.00	14.40					
4.40						14.60					
4.60						14.80					
4.80						15.00					
5.00						15.20					
5.20						15.40					
5.40						15.60					
5.60						15.80					
5.80						16.00					
6.00						16.20					
6.20						16.40					
6.40						16.60					
6.60						16.80					
6.80						17.00					
7.00						17.20					
7.20						17.40					
7.40						17.60					
7.60						17.80					
7.80						18.00					
8.00						18.20					
8.20						18.40					
8.40						18.60					
8.60						18.80					
8.80						19.00					
9.00						19.20					
9.20						19.40					
9.40						19.60					
9.60						19.80					
9.80						20.00					
10.00											





**DUTCH CONE PENETROMETER TEST**

Project : Pembangunan Gedung Kompas.  
Location : Jl. RE. Martadinata, Bandung.  
Sounding No. : S-2  
Sta/Ch. (M)  
Date : April 22, 2005.

Depth of Sounding : 3.20m  
Ground Surface Level  
Ground Water Level : -2.50m  
Operator : Tugiman  
Checked by : MS.

DEPTH (M)	Manometer Reading		Total Cum. Friction (kg/cm <sup>2</sup> )	Local Friction (kg/cm <sup>2</sup> )	Friction Ratio (%)	DEPTH (M)	Manometer Reading		Total Cum. Friction (kg/cm <sup>2</sup> )	Local Friction (kg/cm <sup>2</sup> )	Friction Ratio (%)
	Cone (kg/cm <sup>2</sup> )	Total (kg/cm <sup>2</sup> )					Cone (kg/cm <sup>2</sup> )	Total (kg/cm <sup>2</sup> )			
0.00											
0.20						10.20					
0.40						10.40					
0.60						10.50					
0.80						10.50					
1.00	4	8	5.33	0.27	6.67	11.00					
1.20	12	14	8.00	0.13	1.11	11.20					
1.40	12	14	10.67	0.13	1.11	11.40					
1.60	17	25	21.33	0.53	3.14	11.60					
1.80	16	28	33.33	0.50	3.16	11.80					
2.00	19	28	45.33	0.50	3.15	12.00					
2.20	20	30	58.67	0.67	3.33	12.20					
2.40	32	42	72.00	0.67	2.08	12.40					
2.60	29	34	78.67	0.33	1.15	12.60					
2.80	34	44	82.00	0.67	1.96	12.80					
3.00	52	65	109.33	0.87	1.67	13.00					
3.20	250	250	109.33	0.50	0.50	13.20					
3.40						13.40					
3.60						13.60					
3.80						13.80					
4.00						14.00					
4.20						14.20					
4.40						14.40					
4.60						14.60					
4.80						14.80					
5.00						15.00					
5.20						15.20					
5.40						15.40					
5.60						15.60					
5.80						15.80					
6.00						16.00					
6.20						16.20					
6.40						16.40					
6.60						16.60					
6.80						16.80					
7.00						17.00					
7.20						17.20					
7.40						17.40					
7.60						17.60					
7.80						17.80					
8.00						18.00					
8.20						18.20					
8.40						18.40					
8.60						18.60					
8.80						18.80					
9.00						19.00					
9.20						19.20					
9.40						19.40					
9.60						19.60					
9.80						19.80					
10.00						20.00					



**DUTCH CONE PENETROMETER TEST**

Project	: Pembangunan Gedung Kompas.	Depth of Sounding	: 3.40m
Location	: Jl. RE Martadinata, Bandung.	Ground Surface Level	:
Sounding No	: S-3	Ground Water Level	: -2.50m
Sta/Ch. /M	:	Operator	: Tugirun.
Date	: April 22, 2005.	Checked by	: MS.

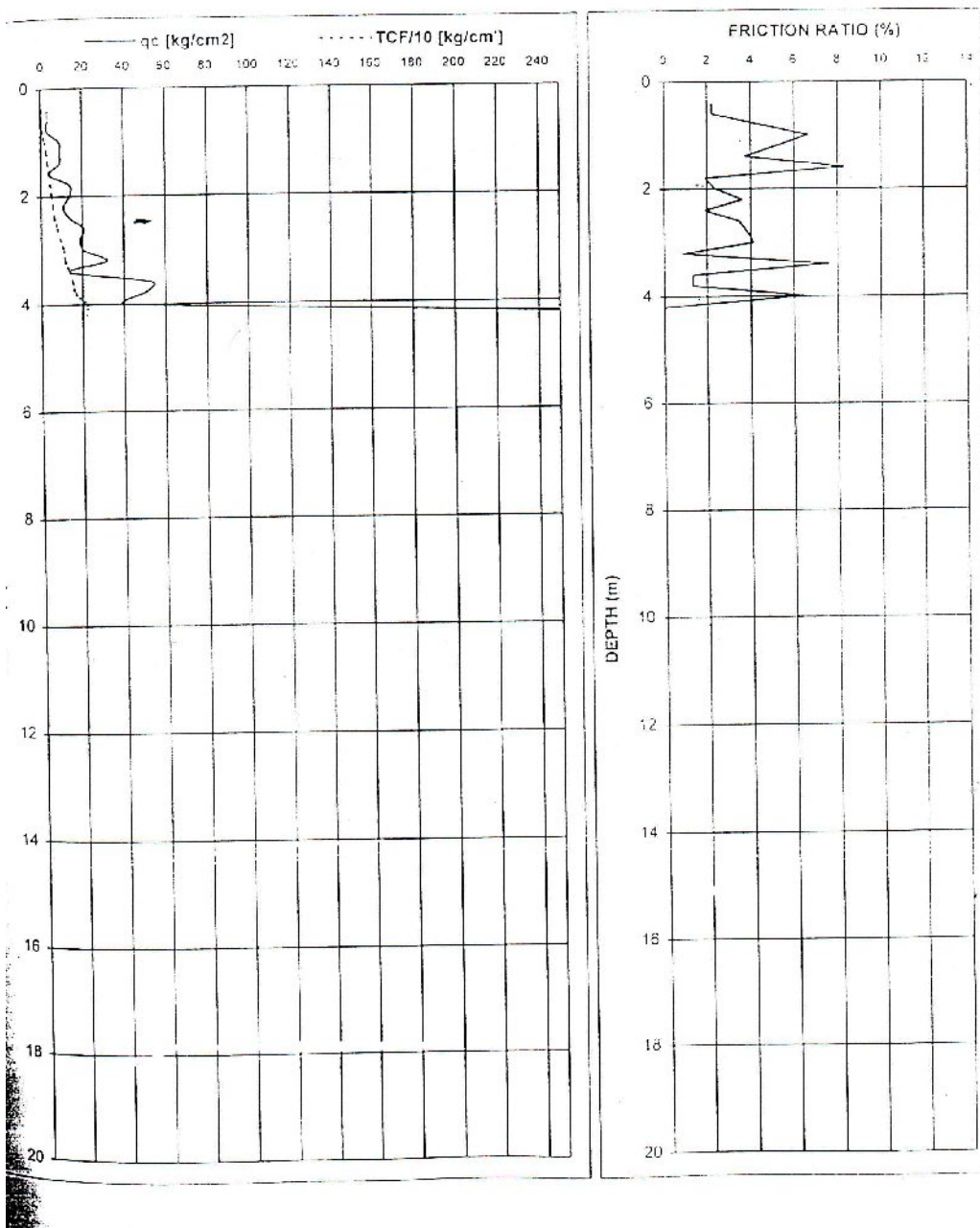
DEPTH (M)	Manometer Reading		Total Cum. Friction (kg/cm <sup>2</sup> )	Local Friction (kg/cm <sup>2</sup> )	Friction Ratio (%)	DEPTH (M)	Manometer Reading		Total Cum. Friction (kg/cm <sup>2</sup> )	Local Friction (kg/cm <sup>2</sup> )	Friction Ratio (%)
	Cone (kg/cm <sup>2</sup> )	Total (kg/cm <sup>2</sup> )					Cone (kg/cm <sup>2</sup> )	Total (kg/cm <sup>2</sup> )			
0.00											
0.20						10.20					
0.40						10.40					
0.60	5	8	4.00	0.20	4.00	10.60					
0.80	5	9	9.33	0.27	5.33	10.80					
1.00	6	10	14.67	0.27	4.44	11.00					
1.20	6	11	21.33	0.33	5.55	11.20					
1.40	8	12	26.67	0.27	3.33	11.40					
1.60	11	14	30.67	0.20	1.82	11.60					
1.80	9	13	36.00	0.27	2.96	11.80					
2.00	10	14	41.33	0.27	2.67	12.00					
2.20	10	2	44.00	0.13	1.33	12.20					
2.40	10	4	49.33	0.27	2.67	12.40					
2.60	10	2	52.00	0.13	1.33	12.60					
2.80	8	2	57.33	0.27	3.33	12.80					
3.00	8	11	61.33	0.20	2.50	13.00					
3.20	10	21	76.00	0.73	7.33	13.20					
3.40	250	250	76.00	0.00	0.00	13.40					
3.60						13.60					
3.80						13.80					
4.00						14.00					
4.20						14.20					
4.40						14.40					
4.60						14.60					
4.80						14.80					
5.00						15.00					
5.20						15.20					
5.40						15.40					
5.60						15.60					
5.80						15.80					
6.00						16.00					
6.20						16.20					
6.40						16.40					
6.60						16.60					
6.80						16.80					
7.00						17.00					
7.20						17.20					
7.40						17.40					
7.60						17.60					
7.80						17.80					
8.00						18.00					
8.20						18.20					
8.40						18.40					
8.60						18.60					
8.80						18.80					
9.00						19.00					
9.20						19.20					
9.40						19.40					
9.60						19.60					
9.80						19.80					
10.00						20.00					



### DUTCH CONE PENETROMETER TEST

Object : Pembangunan Gedung Kompas.  
Location : Jl. RE Martadinata, Bandung.  
Sounding No : S-1.  
Dr/Ch. (M) :  
Date : April 22, 2005.

Depth of Sounding : 4.20m.  
Ground Surface Level :  
Ground Water Level : -2.40m.  
Operator : Tugirun.  
Checked by : MS.

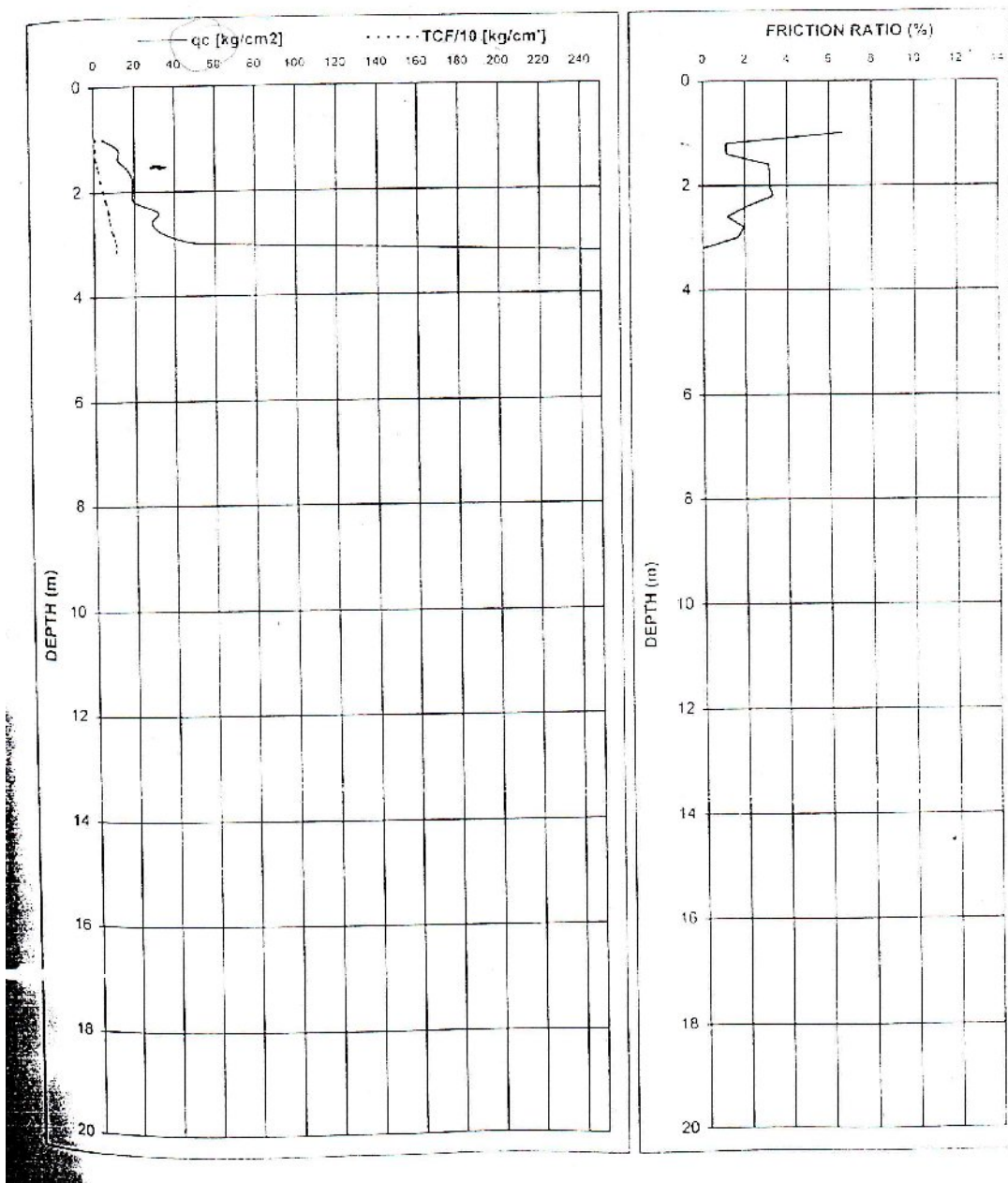




### DUTCH CONE PENETROMETER TEST

Project : Pembangunan Gedung Kompas.  
 Location : Jl. R.E. Martadinata, Bandung.  
 Sounding No. : S-2  
 Sta/Ch. (M) :  
 Date : April 22, 2005.

Depth of Sounding : 3.20m.  
 Ground Surface Level :  
 Ground Water Level : -2.50m  
 Operator : Tugirun  
 Checked by : MS.



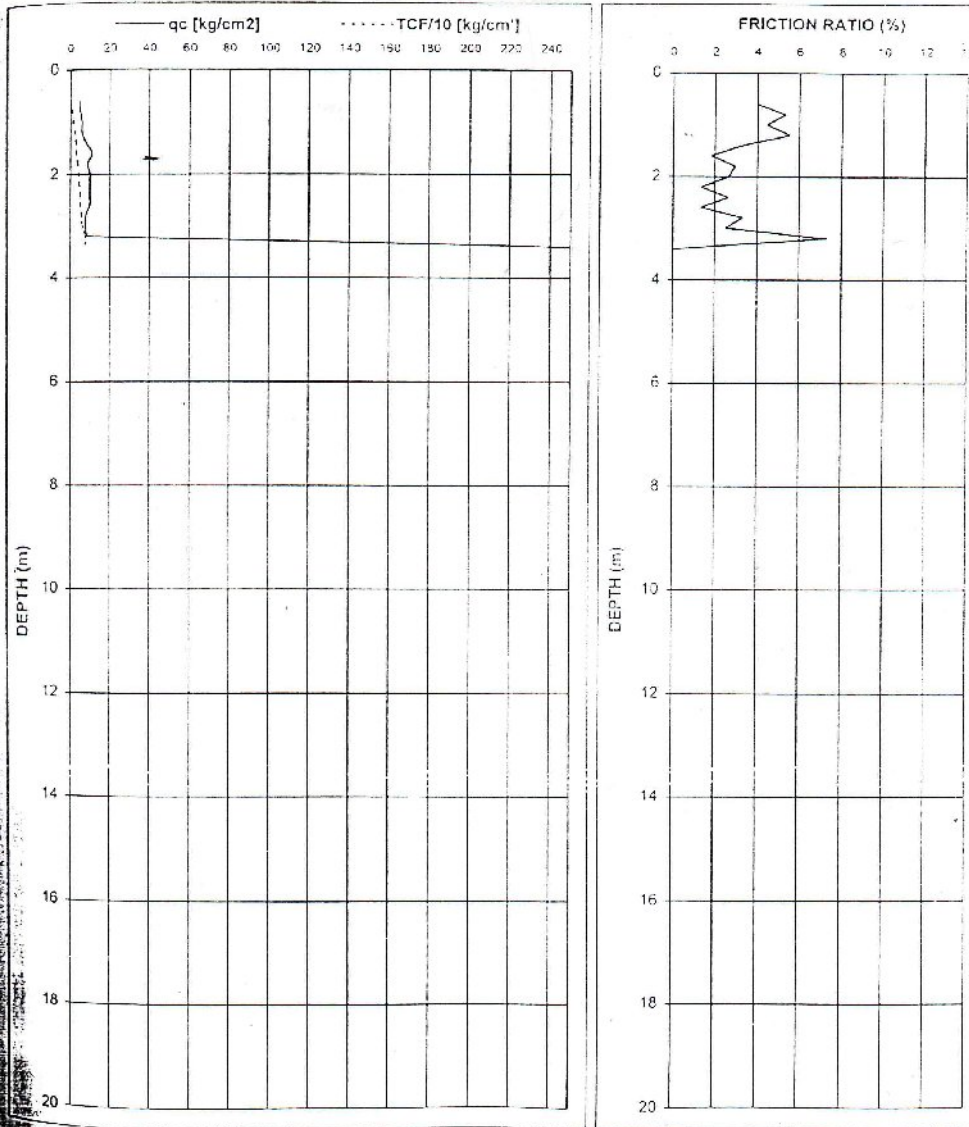


**PT. Testana Indoteknika**  
*Soil Investigation and Foundation Engineering*

### DUTCH CONE PENETROMETER TEST

Project : **Pembangunan Gedung Kompas.**  
Location : **Jl. RE Martadinata, Bandung.**  
Sounding No. : **S-3.**  
Sta/Ch. [M] :  
Date : **April 22, 2005.**

Depth of Sounding : **3.40m.**  
Ground Surface Level :  
Ground Water Level : **-2.50m.**  
Operator : **Tugirun.**  
Checked by : **MS.**





DRILLING LOG										HOLE NO : BH-1											
PROJECT : Pembangunan Gedung Kompas				DEPTH : 15.00 m		GWL : -2.50m.															
LOCATION : Jl. RE Martadinata, Bandung				COORDINATE :		Drill Master : Tugirun															
DEPTH (m)	DATE	SOIL / ROCK		SAMPLE DEPTH (m)	SPT				STRENGTH TEST			ATTERBERG LIMITS					γ <sub>t</sub> (t/m <sup>3</sup> )	f <sub>55</sub>	f <sub>50</sub>		
		SYMBOL	DESCRIPTION		N	0	30	45	60	TYPE	C (kgf/cm <sup>2</sup> )	q <sub>u</sub> (t/m <sup>2</sup> )	c	20	40	60				80	100
1	April 25 2005	XXXXXX	Silty clay, brown, medium consistency	1.00 1.45	2	3	5														
2			V	Silty sand, with a trace of clay, yellowish brown, fine to medium grained sand, slightly cemented, dense	3.00 3.45	12	31	43													
3	April 25 2005	XXXXXX		Silty sand, yellowish brown, coarse grained sand, slightly cemented, very dense	5.30 5.13	50	0														
4			7.30 7.14		50	0															
5			8.30 8.13		50	0															
6			11.30 11.14		50	0															
7	April 25 2005	XXXXXX	Gravelly sand, dark grey, angular gravel, very dense	12.30 13.13	50	0															
8				15.00 15.12	50	0															
9			End Of Drilling																		

REMARKS  
 0 TO 10% TRASH  
 10 TO 20% LITTLE  
 20 TO 35% SOME  
 35 TO 50% AND



• WATER CONTENT %  
 ○ PLASTIC LIMIT %  
 △ LIQUID LIMIT %



**P.T. Testana Indoteknika**  
 Soil investigation and foundation engineering

DRILLING LOG										HOLE NO : BH-2																												
PROJECT : Pembangunan Gedung Kompas. DEPTH : 15.00 m.										GWL : -2.75m.																												
LOCATION : Jl. RE Martadinata, Bandung. COORDINATE :										Drill Master : Tugirun																												
DEPTH (m)	DATE	SOIL / ROCK		SAMPLE DEPTH (m)	SPT				STRENGTH TEST		ATTERBERG LIMITS					$\gamma_t$ (t/m <sup>3</sup> )	Gs	e <sub>s</sub>																				
		SYMBOL	DESCRIPTION		N	0	20	40	60	TYPE	C (kg/cm <sup>2</sup> )	$\phi$ (°)	0	25	40				50	60	100																	
1	April 27, 2005	MH	Silty clay brown, soft consistency	1.00 1.45	1	3	3																															
2			Silty clay, with a little of sand, brown, soft consistency																																			
3		Sandy silt with a little of clay, brown, slightly cemented, medium dense	3.00 3.45	8	18	18			UU	2.26	10																											
4		Silty sand, yellowish brown, well graded, slightly cemented, very dense	5.00 5.17	50	2																																	
5		Silty sand, with a trace of angular gravel, well graded sand, yellowish brown, coarse grained sand, slightly cemented, very dense	7.00 7.12	50	0																																	
6	April 28, 2005																																					
7																					5.00 5.14	50	0															
8																					11.00 11.12	50	0															
9																					13.00 13.14	50	0															
10																					15.00 15.13	50	0															
11	End Of Drilling																																					

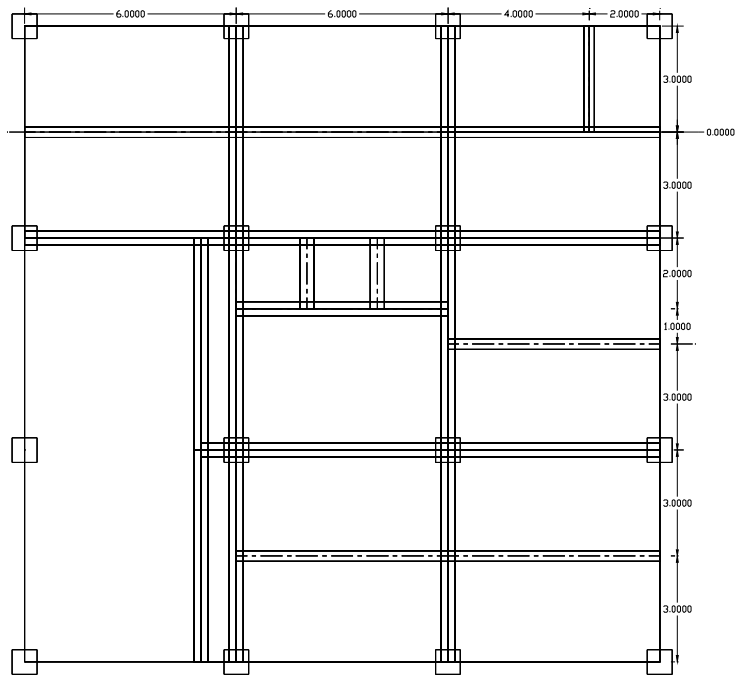
REMARKS  
 0 TO 10 % TRACE  
 10 TO 20 % LITTLE  
 20 TO 35 % SOME  
 35 TO 50 % AND



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

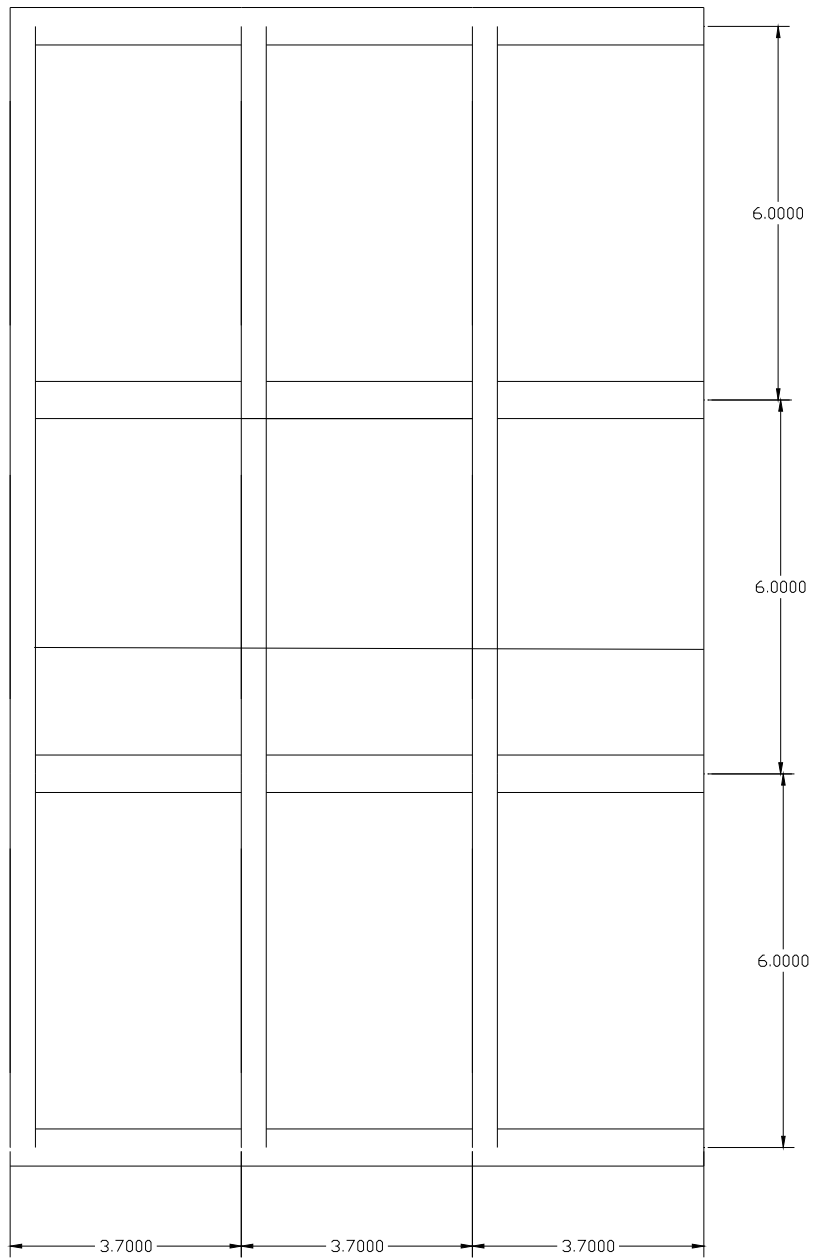


P.T. Testana Indoteknika  
 Soil testing and foundation engineering

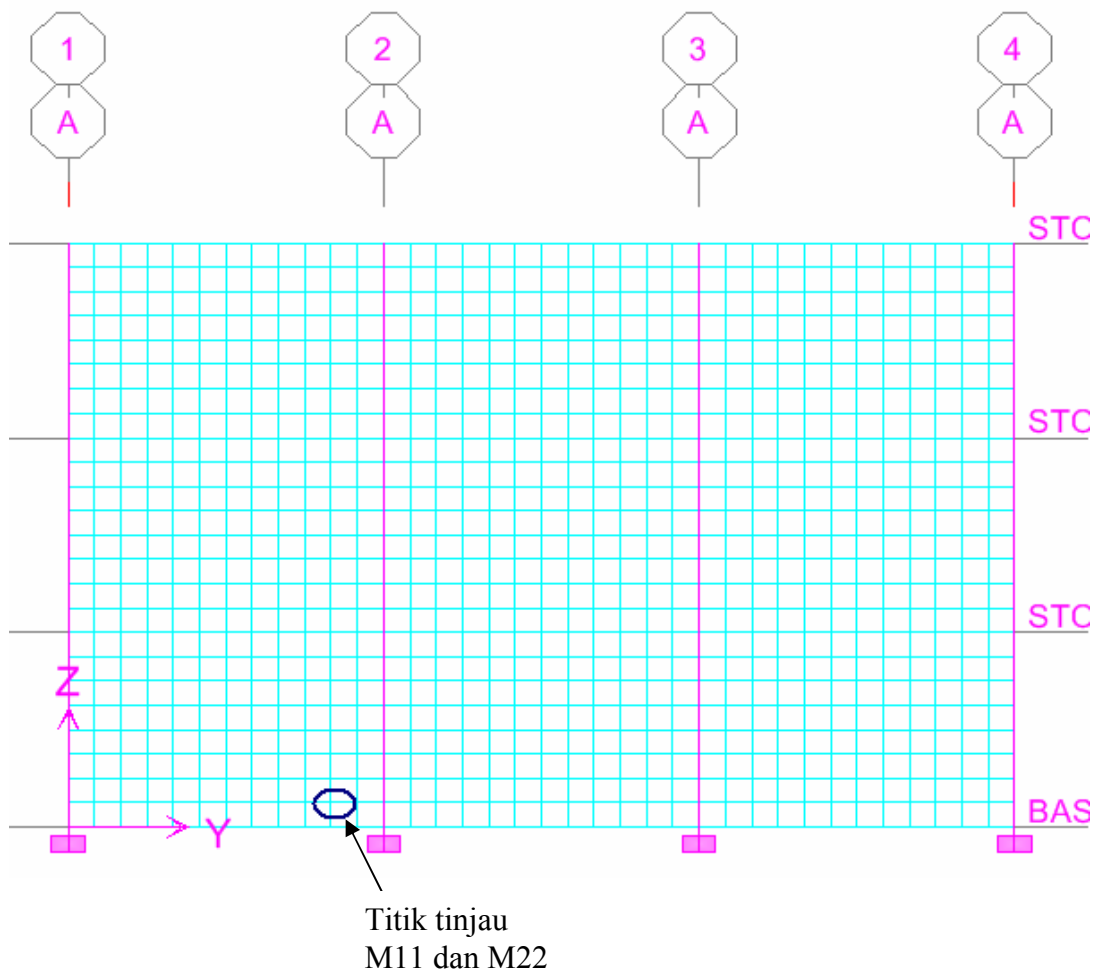


**Gambar L2-1 Denah Struktur Bawah**





**Gambar L2-2 Potongan Struktur Bawah**



**Gambar L3-1 Lokasi Titik Tinjau Momen M11 dan M22**