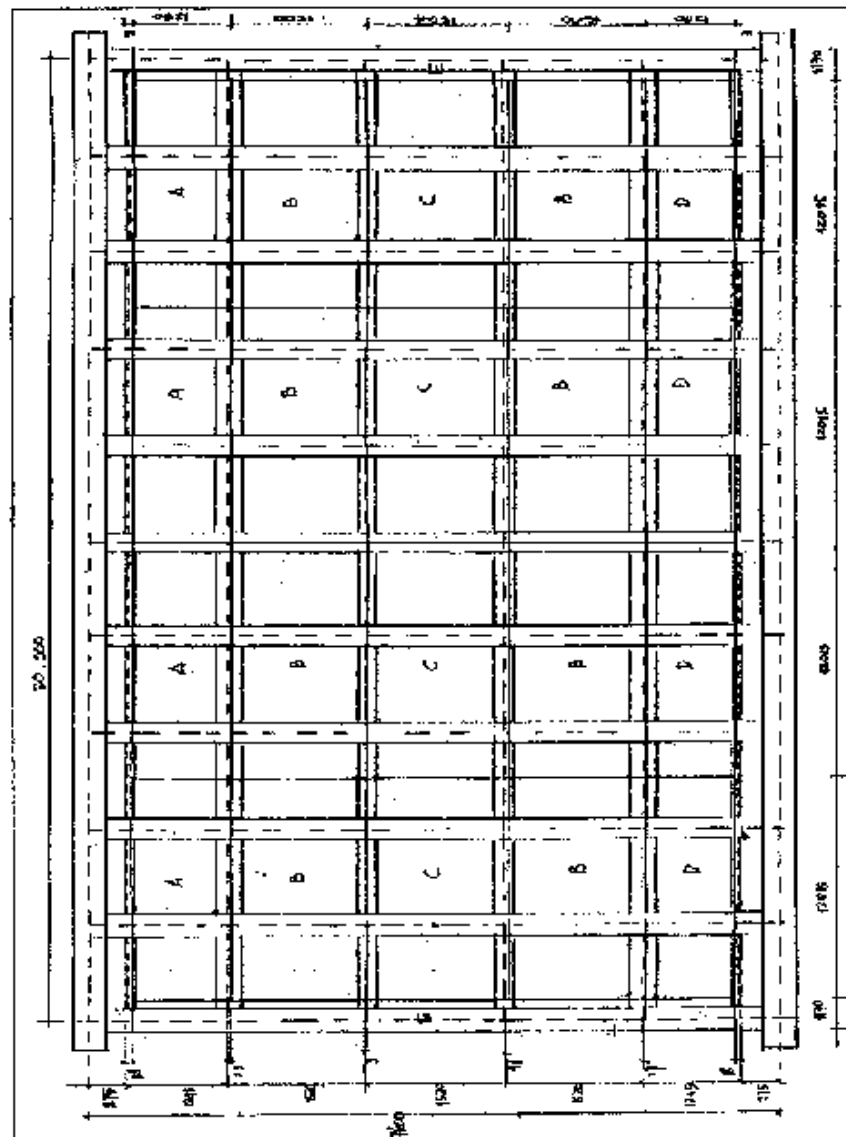


Lampiran 1 Denah Pembebanan Aktual

Lapis I (DEAD LOAD)

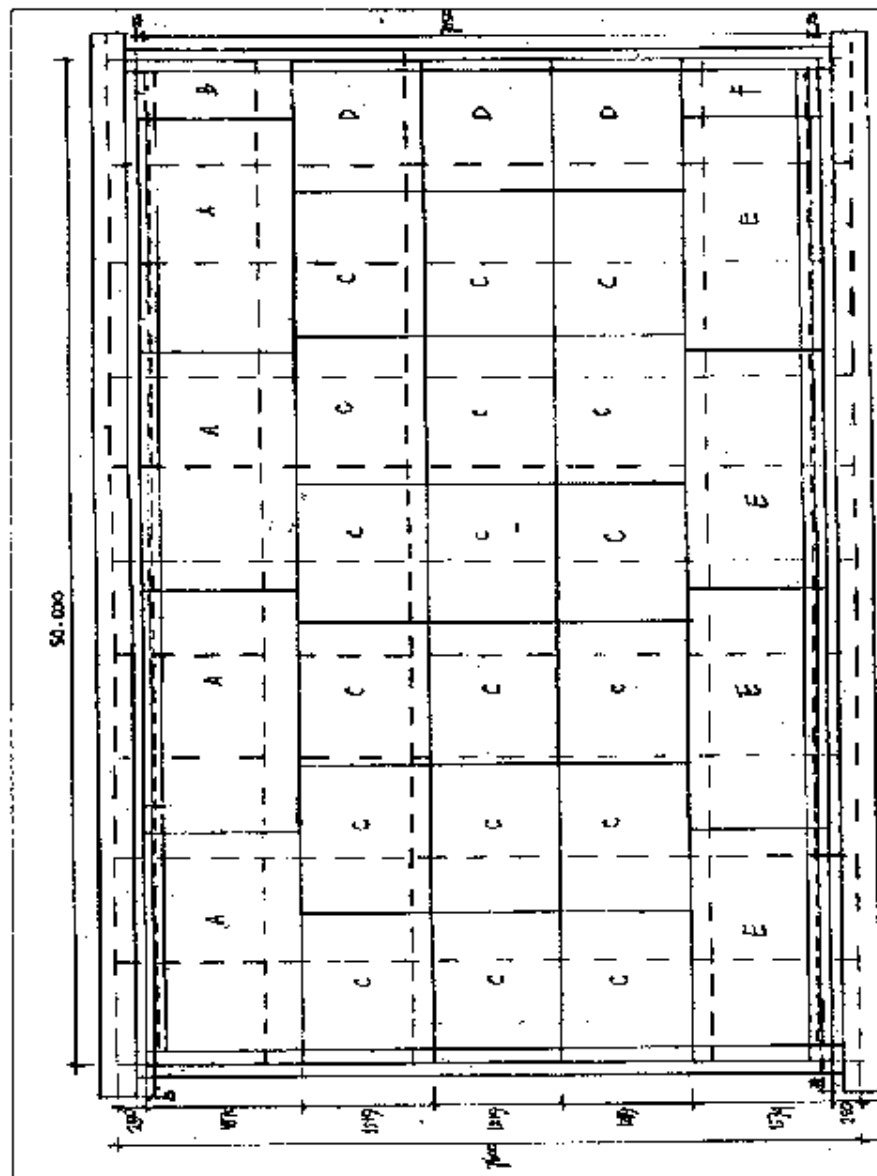


Ukuran pelat :

A 16 x 1250 x 12010
B 16 x 1500 x 13010
C 16 x 1564 x 12010

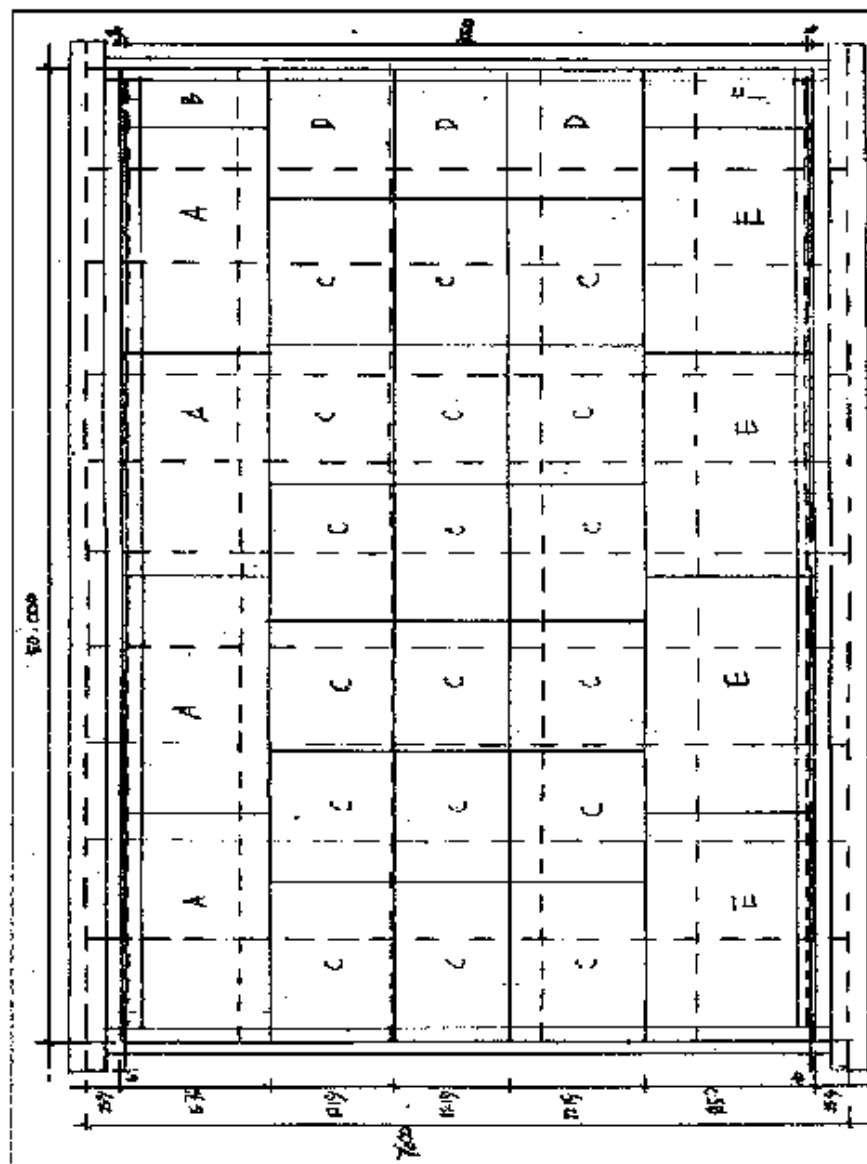
D 16 x 1200 x 12010
E 16 x 1050 x 7014

Lapis II (DEAD LOAD)



Ukuran pelat :
 A 25 x 1870 x 12010
 B 25 x 1574 x 12010
 C 25 x 1219 x 7250
 D 25 x 1574 x 12010
 E 25 x 1219 x 6500
 F 25 x 1574 x 12010

Lapis III (DEAD LOAD)



Ukuran pelat :

A 25 x 1576 x 12010
B 25 x 1576 x 2000

C 25 x 1219 x 7250
D 25 x 1219 x 6500

E 25 x 1850 x 12010
F 25 x 1850 x 2000

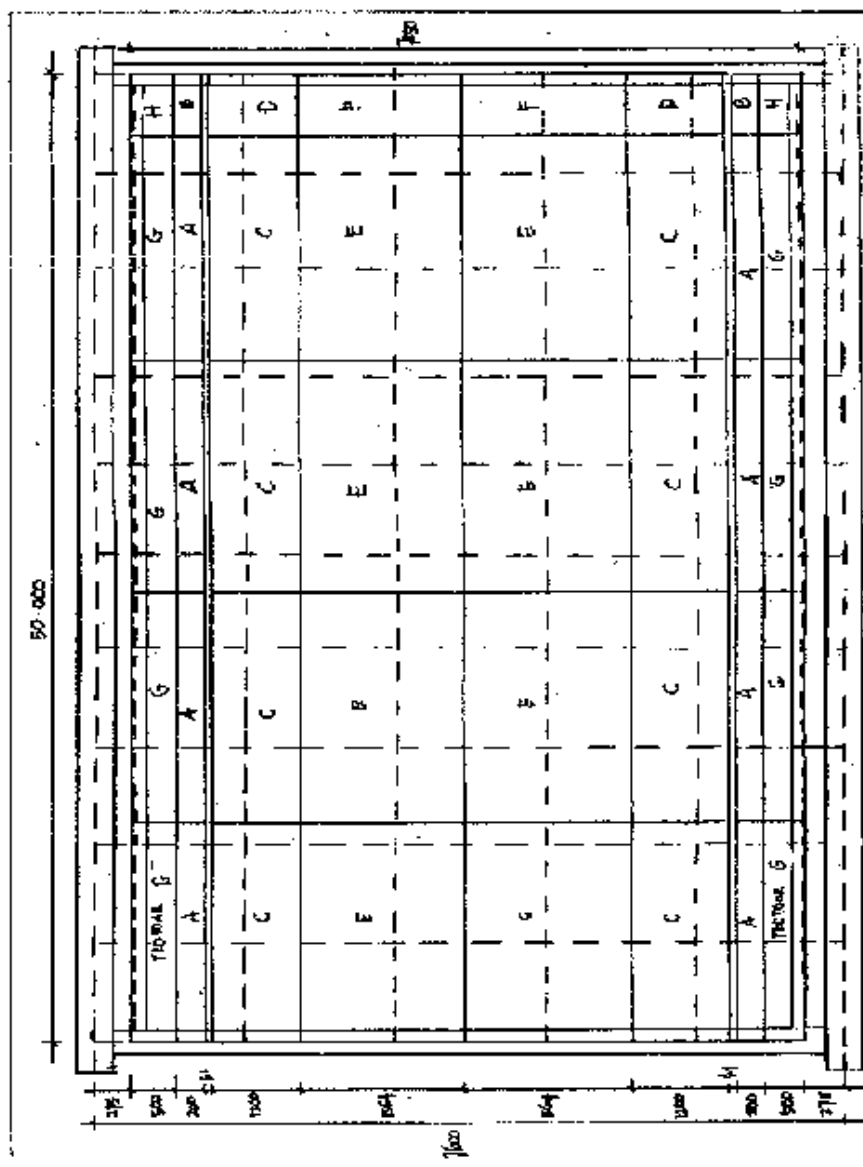
The diagram shows a rectangular plot with a border. The plot is divided into a 5x4 grid of sub-plots. The sub-plots are labeled A, B, C, and D in a repeating pattern. The plot is surrounded by a border, and dimensions are indicated by arrows and numbers.

A	A	A	A	A
B	B	B	B	B
C	C	C	C	C
D	D	D	D	D
A	A	A	A	A

A 16 x 1200 x 12010
B 16 x 1500 x 12010

95

Lapis V (DEAD LOAD:TROTOAR, LIVE LOAD:10%)



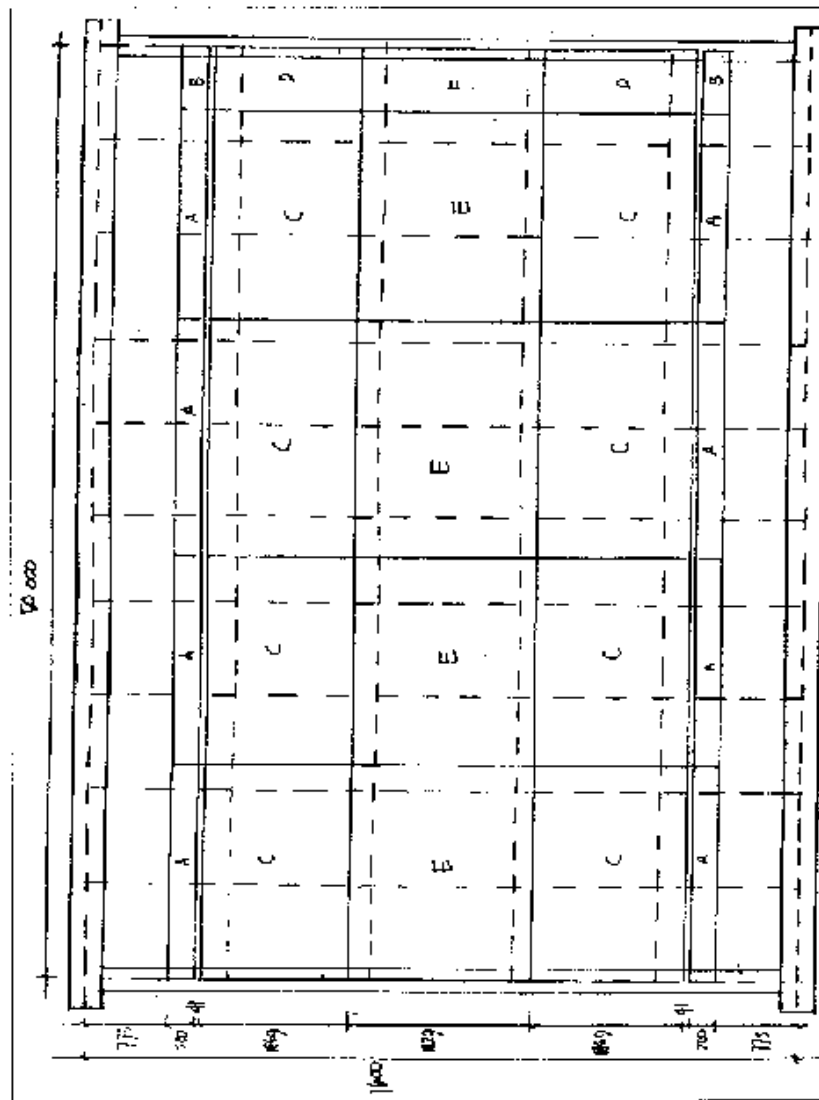
Ukuran pelat :

A,B 168 karung @ 168 kg
G,H 250 karung @ 25 kg

C 8 x 1200 x 1200
D 8 x 1200 x 2000

E 8 x 1504 x 1200
F 8 x 1564 x 2000

Lapis VIIA (LIVE LOAD: 25% / KUMILATIF 50%)



Ukuran pelat

A, B 168 karung @ 35 kg

C 20 x 1869 x 12010
D 20 x 1869 x 2000

E 20 x 1829 x 12010
F 20 x 1829 x 2000

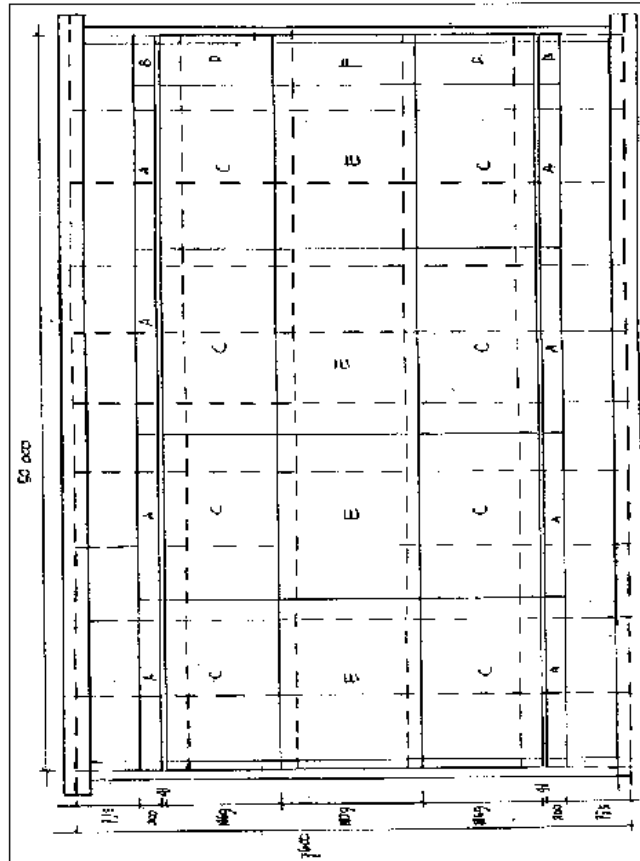
Technical drawing of a rectangular frame structure. The drawing shows a top-down view of a frame with a grid of internal lines. The frame is labeled with 'A' and 'B' at the corners. The dimensions are given as 1000 (width) and 1000 (height). The drawing includes a title block on the right side with the text 'Dwg. No. 1000' and 'Scale 1:1000'.

489 DE 85 January 89 1 57A

C $12 \times 1500 \times 2010$
D $12 \times 1500 \times 2000$

E 12 x 1250 x 12010
F 12 x 1250 x 2009

Lapis VIB (IVE LOAD:25% / KUMULATIF 75%)



Ukuran pelat : A B 1618 karung @ 35 kg C 20 x 1869 x 12010 D 20 x 1869 x 2000 E 20 x 1829 x 12010 F 20 x 1829 x 2000

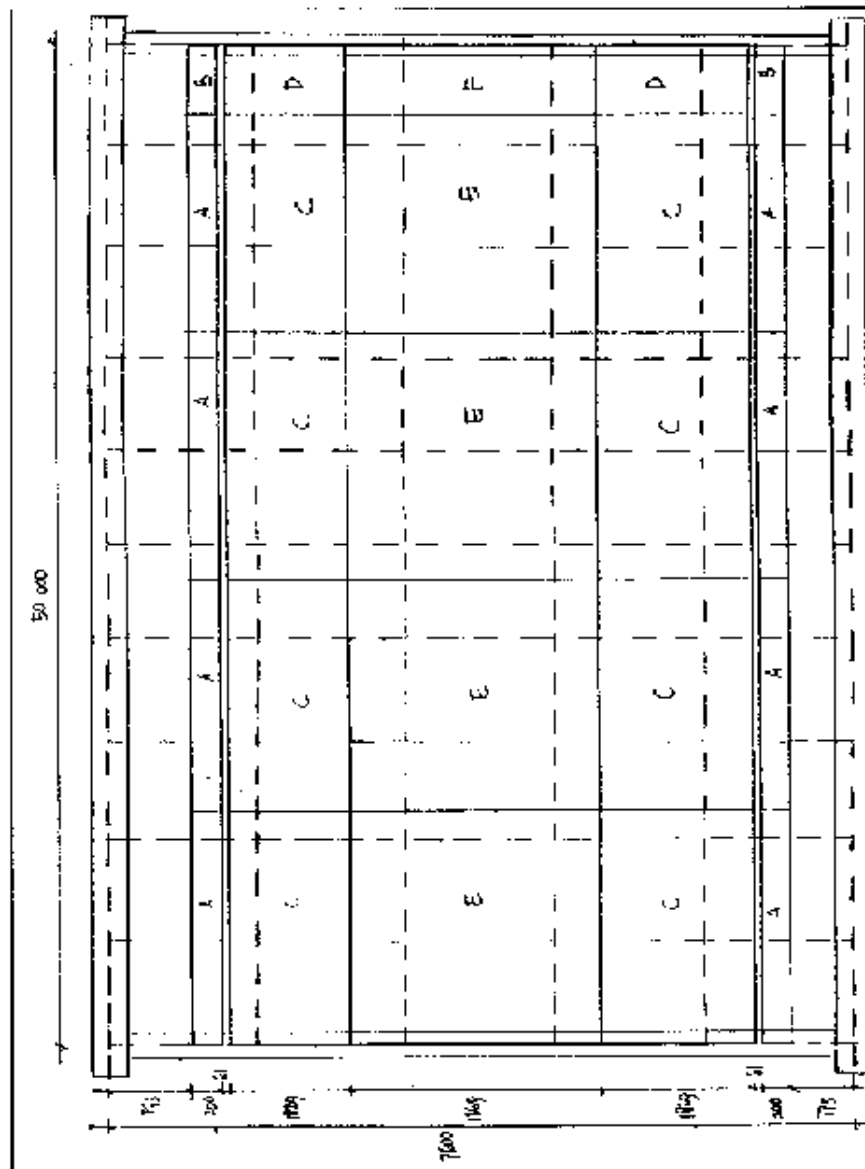
Architectural floor plan of a large rectangular building, oriented vertically. The plan shows a central corridor (labeled 'CORRIDOR' at the bottom) flanked by various rooms. On the left side, from top to bottom, are a 'REST' room, a 'DINING' room, a 'KITCHEN', a 'BATH', and a 'HALL'. On the right side, from top to bottom, are a 'HALL', a 'BATH', a 'DINING' room, a 'KITCHEN', and a 'REST' room. The plan is divided into several sections by dashed lines, and the overall dimensions are indicated by a scale bar at the bottom, showing a total length of 100.000 units.

A.B 168 karung (9) 15 kg

C $22 \times 1219 \times 12016$
D $22 \times 1219 \times 2090$

E 22 x 1524 x 12010
F 22 x 1524 x 2050

Lapis IX (LIVE LOAD: 25% / KUMULATIF 125%)



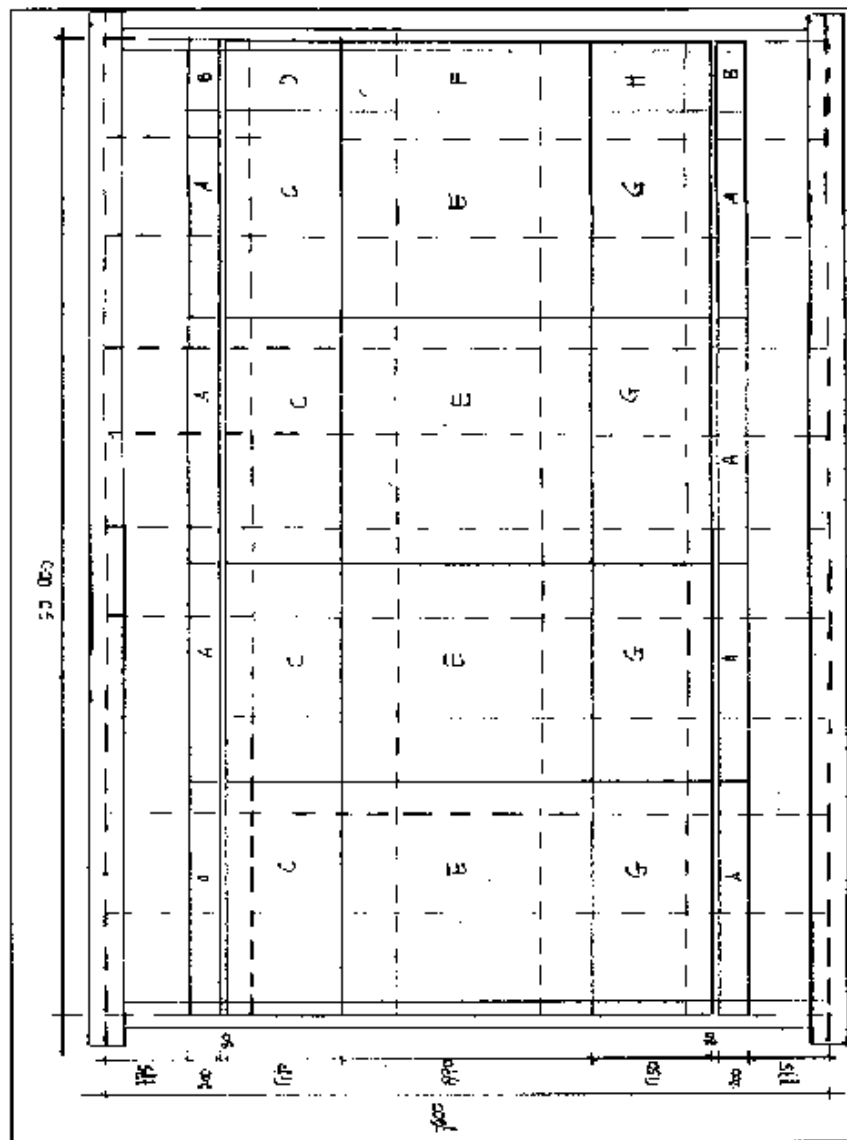
Lukuran pelat :

A: H 168 karung 35 kg

C: 20 x 1829 x 12010
D: 20 x 1829 x 2000

E: 20 x 1869 x 12010
F: 20 x 1869 x 2000

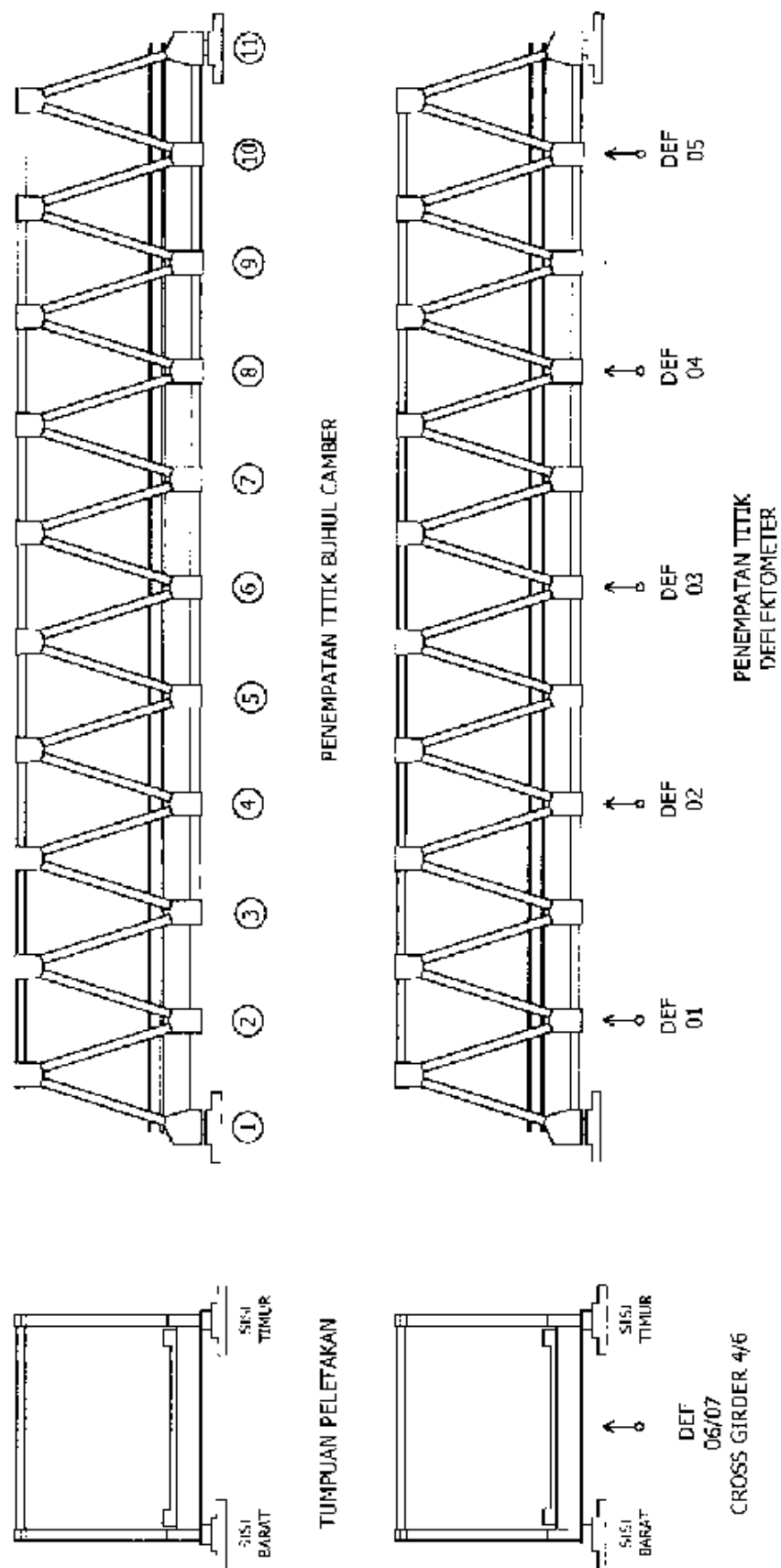
Lapis X (LIVE LOAD:25% / KUMULATIF 150%)



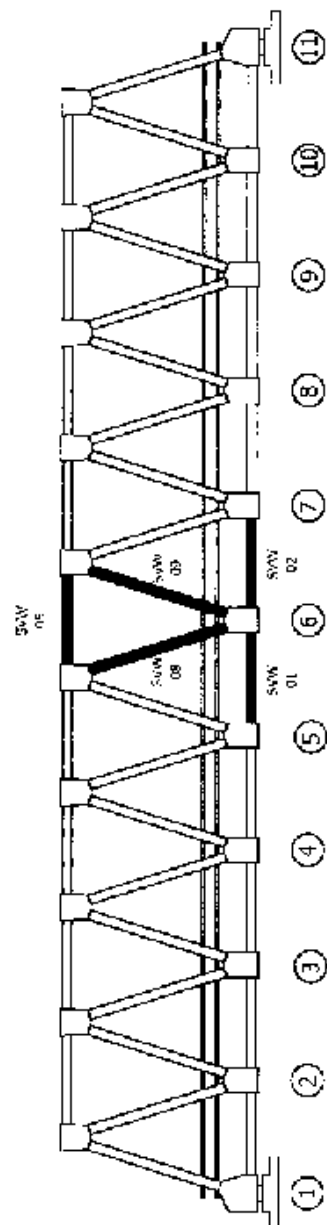
Ukuran pelat A, H 168 kantung @ 15 xg C 19 x 1770 x 12010 E 19 x 1970 x 12010 G 19 x 1750 x 12011
D 19 x 1770 x 2000 F 19 x 1970 x 2000 H 19 x 1750 x 2000

SKEMA INSTRUMENTASI
LOADING TEST B 50 PT. CHC
OKTOBER 2003

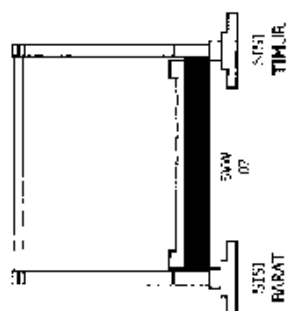
Lampiran 2 Skema Instrumentasi



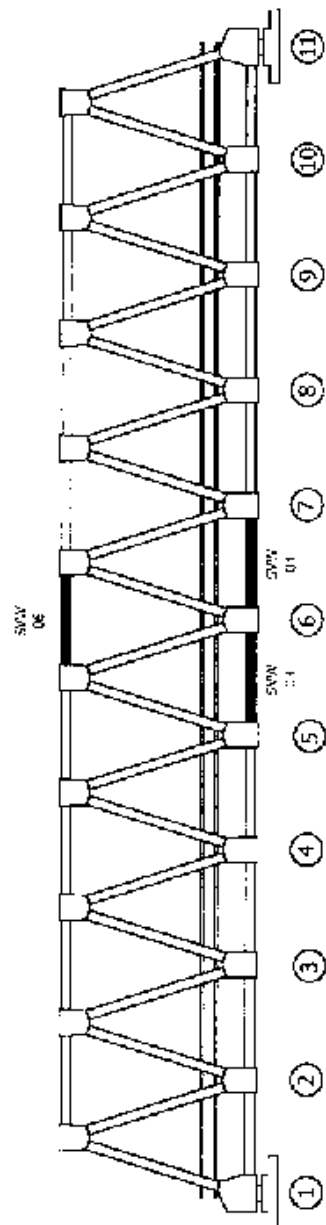
SKEMA INSTRUMENTASI
LOADING TEST B 50 PT. CHC
OKTOBER 2003



PENEMPATAN STRAIN GAUGE
SISI BARAT

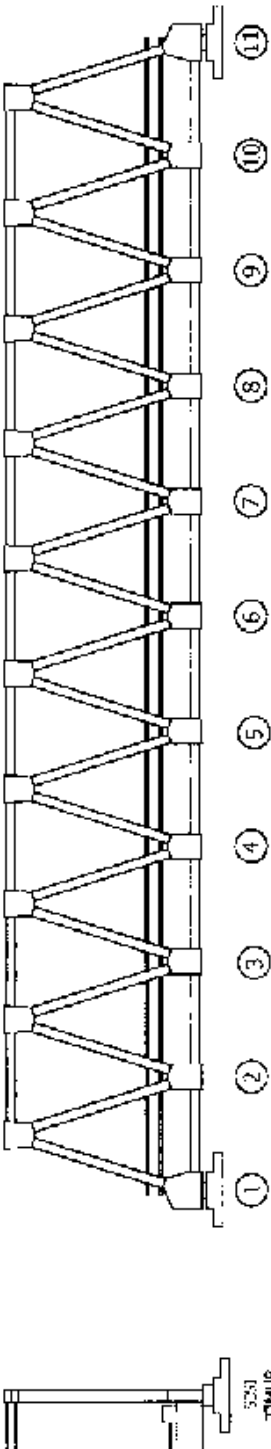


STRAIN GAUGE
CROSS GIRDER 6

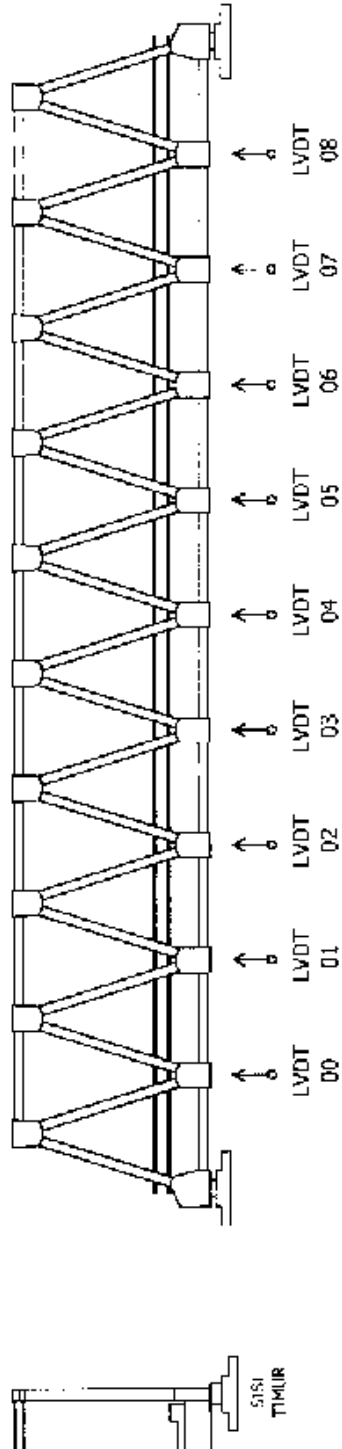


PENEMPATAN STRAIN GAUGE
SISI TIMUR

SKEMA INSTRUMENTASI LVDT
 LOADING TEST B 50 PT. CHC
 OKTOBER 2003

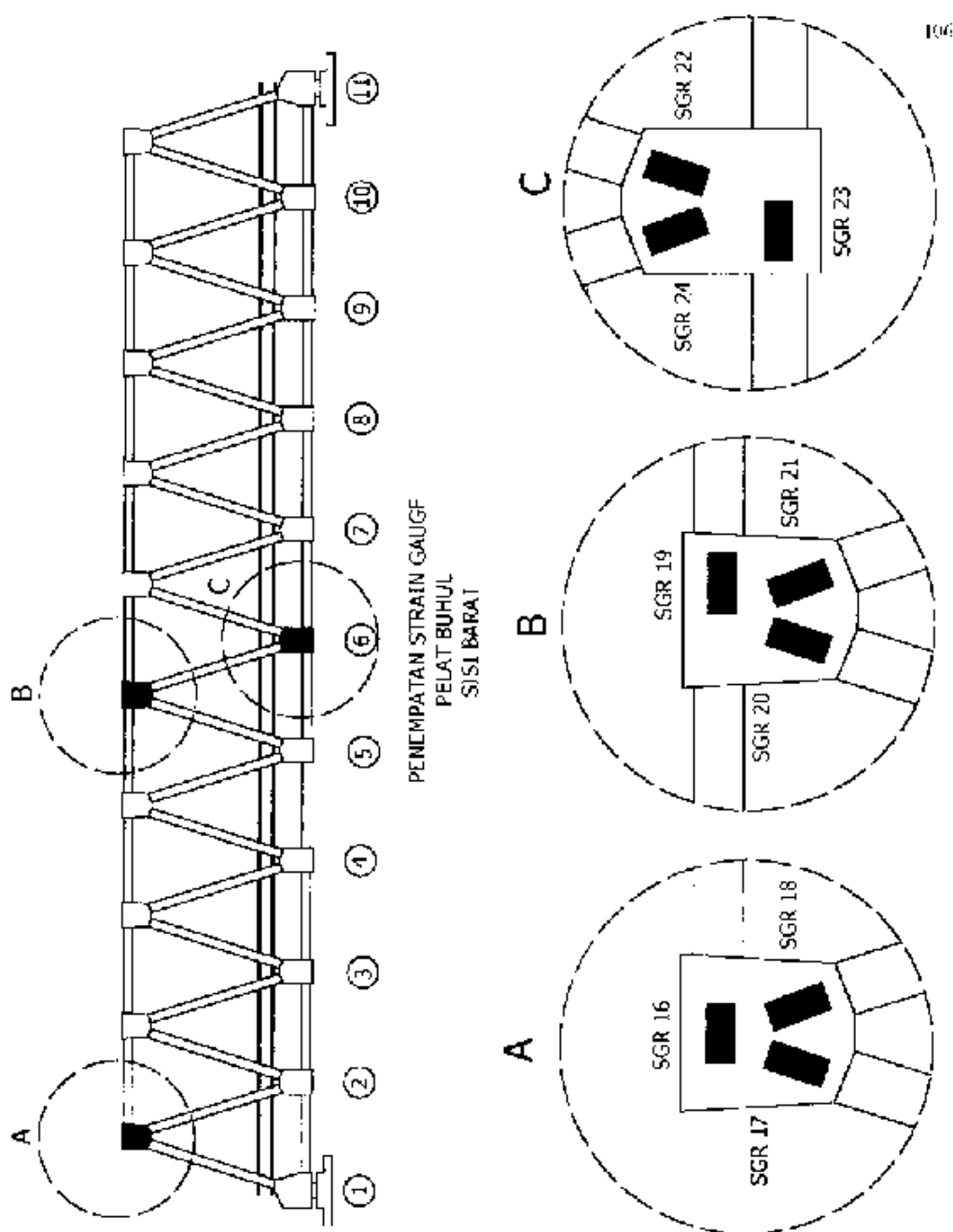


PENEMPATAN TITIK RUHUI CAMBER

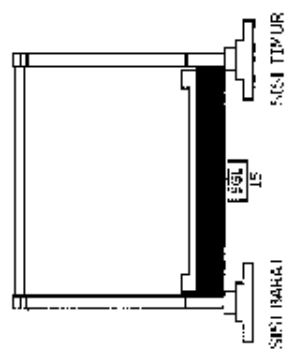
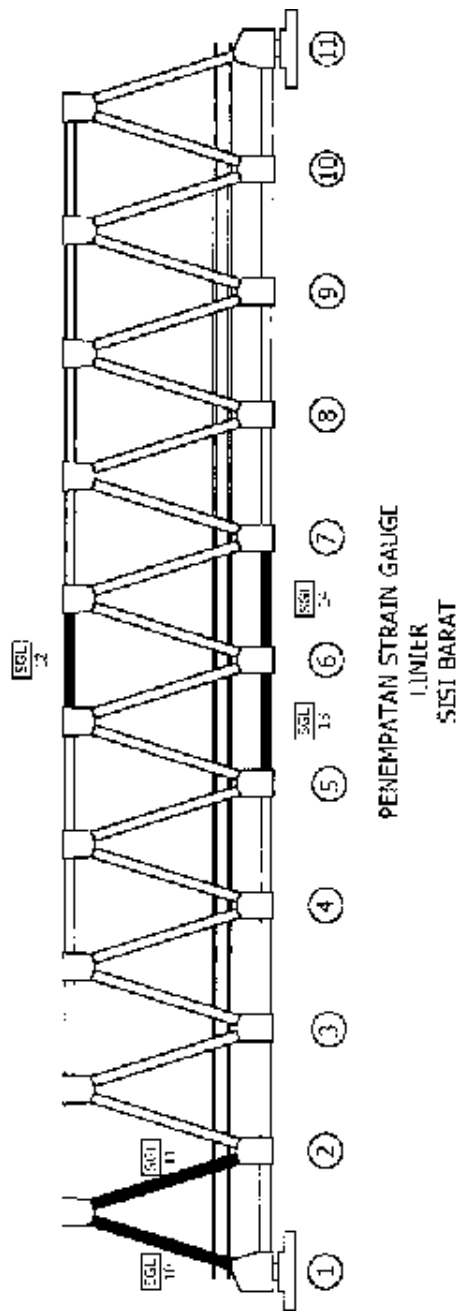


PENEMPATAN TITIK LVDT

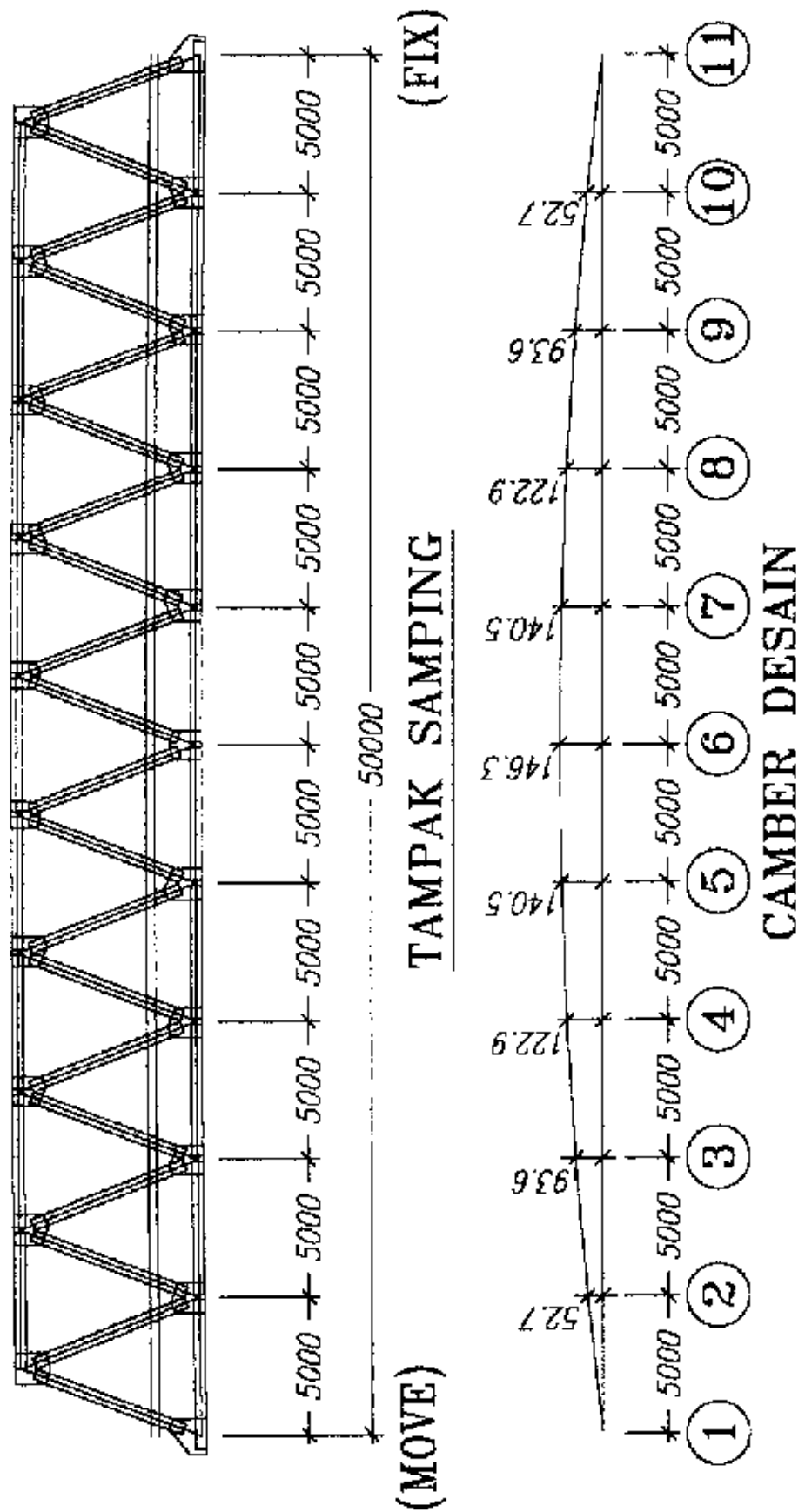
ER

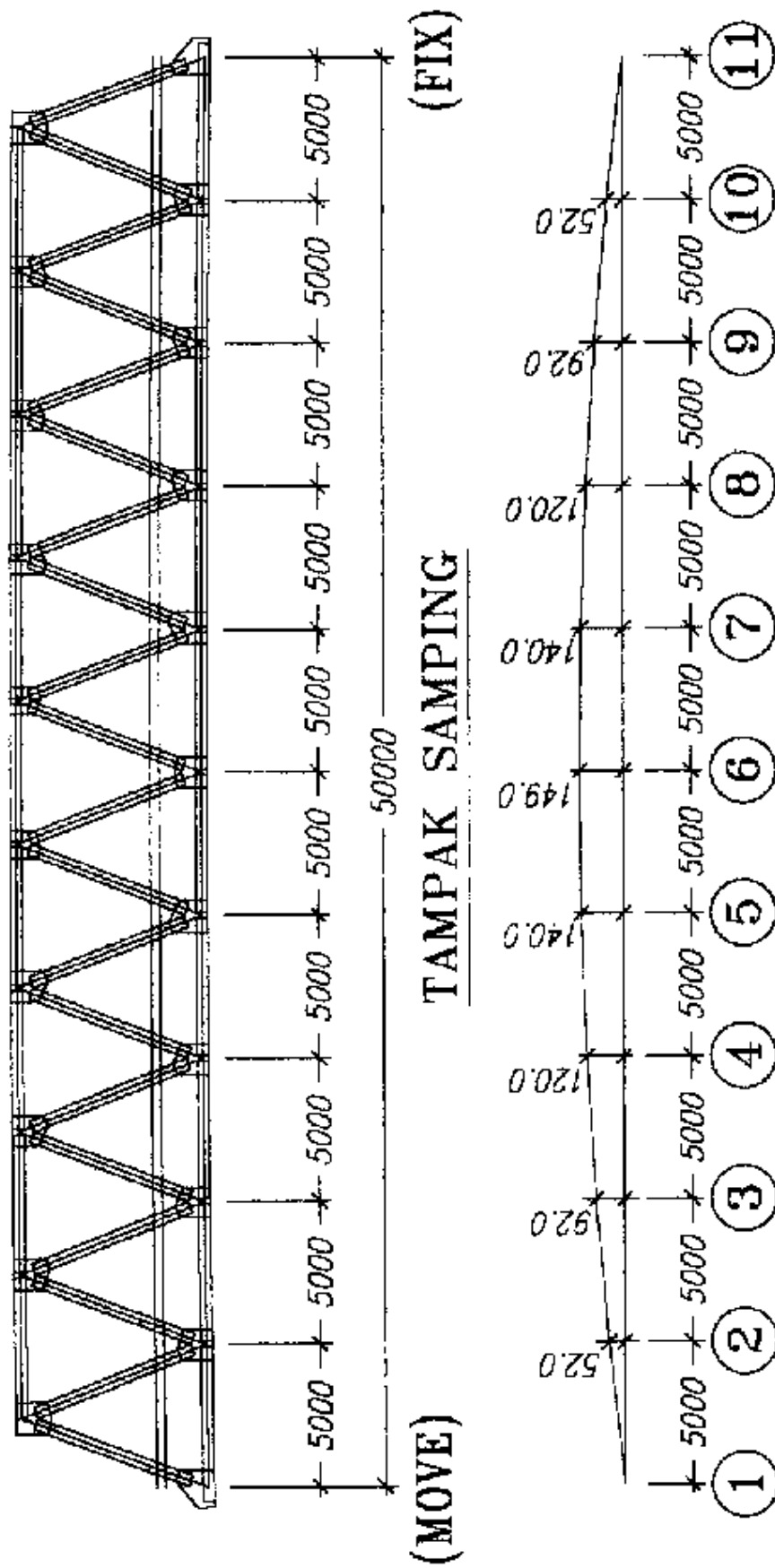


SKEMA INSTRUMENTASI
LOADING TEST B 50 PT. CHC
OKTOBER 2003



Lampiran 3 Camber / Lawan Lendut





Lampiran 4

DAFTAR WELDED H-BEAM UKURAN non STANDARD PRODUKSI PT. CIGADING HABEAM CENTRE

SIZE OF H-BEAM (mm)				AREA OF SECTION	WEIGHT PER METER	CHARACTERISTIC						
DEPTH	WIDTH	t WEB	t FLANGE	LL	S	IX	IY	IX	IY	ZX	ZY	
H	B	t1	t2			(kg/m)						
400	200	6.0	12.0	5.0	71.06	55.8	1,604	17.1	4.75	1,036	160.1	
450	150	6.0	12.0	5.0	50.36	46.4	676	16.6	3.38	811	95.1	
350	175	6.0	12.0	5.0	62.06	48.7	1,072	14.9	4.16	785	122.6	
350	300	12.0	12.0	8.4	112.53	88.3	24,037	4.6	6.93	1,374	360.3	
350	300	12.0	12.0	8.4	112.53	88.3	24,037	4.6	6.93	1,374	360.3	
350	350	12.0	12.0	8.4	124.53	87.6	27,465	4.9	8.30	1,569	490.3	
800	400	12.0	25.0	8.4	291.41	228.8	342,604	34.3	9.57	8,565	1332.9	
800	550	14.0	25.0	9.8	381.92	289.8	462,292	34.8	13.47	11,567	2521.5	
800	400	12.0	25.0	8.4	291.41	228.8	342,604	34.3	9.57	8,565	1332.9	
800	350	12.0	25.0	8.4	266.41	203.1	305,062	33.8	8.19	7,626	1021.5	
800	300	12.0	25.0	8.4	241.41	189.5	267,500	33.3	6.83	6,688	750.7	
800	300	12.0	22.0	8.4	224.13	175.9	243,035	32.9	6.65	6,075	660.7	
350	350	16.0	19.0	11.2	185.43	145.6	40,519	14.8	8.56	2,315	776.4	
350	350	12.0	19.0	8.4	171.85	134.9	39,506	15.2	9.89	2,257	776.1	
350	350	12.0	16.0	8.4	151.57	119.0	34,475	15.1	8.69	1,970	653.6	
350	350	9.0	12.0	6.3	114.13	89.6	26,600	15.3	8.67	1,520	490.1	
350	350	6.0	12.0	5.0	124.06	81.7	25,734	15.7	9.08	1,470	490.0	
350	350	6.0	9.0	5.0	83.42	65.5	20,148	15.5	8.78	1,151	367.5	
350	350	12.0	12.0	6.4	124.53	97.8	27,466	14.9	8.30	1,569	490.3	
350	350	12.0	19.0	8.4	171.85	134.9	39,506	15.2	8.89	2,257	776.1	
350	350	14.0	19.0	9.8	178.60	140.2	40,012	15.0	8.72	2,286	776.2	

DAFTAR WELDED H BEAM UKURAN non STANDARD PRODUKSI PT. CIGADING HABEAM CENTRE

SIZE OF H-BEAM (mm)						AREA OF SECTION	WEIGHT PER METER	CHARACTERISTIC					
DEPTH	WIDTH	t WEB	t FLANGE	L L	S	SECTION	METER	ix	Iy	ix	Iy	Zx	Zy
H	B	t1	t2		S	(cm2)	(kg/m)						
350	350	4.0	25.0	9.8		218.92	171.9	49.452	17.871	15.0	9.04	2.826	1021.2
300	300	6.0	9.0	5.0		71.42	56.1	12.557	4.051	13.3	7.53	837	270.0
150	150	6.0	6.0	5.0		26.78	21.0	1.085	338	6.3	3.55	142	45.0
150	150	6.0	6.0	5.0		26.78	21.0	1.065	338	6.3	3.55	142	45.0
150	150	6.0	6.0	5.0		26.78	21.0	1.085	338	6.3	3.55	142	45.0
150	150	6.0	6.0	5.0		26.78	21.0	1.065	338	6.3	3.55	142	45.0

Lampiran 5 Perhitungan Berat Volume

No.	Ukuran mm	A m ²	L m	V m ³	Qty pc	Vtot m ³	W kg	W kN	Berat Volume kN/m ³
1	400 x 200 x 6 x 12	0.0071	19.30	0.0706	10	0.7036	5578.00	54.7202	77.55
2	400 x 150 x 6 x 12	0.0059	19.30	0.0586	10	0.5856	4636.00	45.4792	77.66
3	350 x 175 x 6 x 12	0.0062	1.80	0.0111	10	0.1108	876.96	8.6030	77.64
4	350 x 300 x 12 x 12	0.0111	9.52	0.1057	2	0.2113	1681.99	16.5093	78.07
5	350 x 300 x 12 x 12	0.0111	19.30	0.1110	4	0.4440	3533.60	34.6646	78.07
6	350 x 350 x 12 x 12	0.0123	19.30	0.1239	4	0.4920	3910.40	38.3610	77.97
7	800 x 400 x 12 x 25	0.0290	7.20	0.2088	2	0.4176	3304.14	32.3155	77.38
8	800 x 550 x 14 x 25	0.0389	7.25	0.2755	2	0.5510	4321.25	42.4503	77.04
9	800 x 400 x 12 x 25	0.0290	7.25	0.2103	2	0.4205	3317.02	32.5400	77.38
10	800 x 350 x 12 x 25	0.0265	7.25	0.1921	2	0.3843	3032.30	29.7477	77.42
11	800 x 300 x 12 x 25	0.0240	7.25	0.1719	2	0.3480	2747.90	26.9569	77.40
12	800 x 300 x 12 x 25	0.0223	7.25	0.1617	1	0.1617	1275.57	12.5133	77.40
13	350 x 350 x 16 x 19	0.0183	12.90	0.2396	2	0.4792	3493.44	34.2706	78.06
14	350 x 350 x 12 x 19	0.0170	12.90	0.2049	2	0.4080	3237.60	31.7509	77.85
15	350 x 350 x 12 x 16	0.0150	12.90	0.1809	4	0.7230	5711.04	56.0253	77.81
16	350 x 350 x 9 x 12	0.0113	12.00	0.1356	4	0.5424	4300.80	42.1908	77.79
17	350 x 350 x 6 x 12	0.0104	12.00	0.1248	4	0.4992	3921.12	38.4662	77.06
18	350 x 350 x 6 x 9	0.0083	12.00	0.0995	4	0.3980	3143.04	30.8332	77.47
19	350 x 350 x 12 x 12	0.0123	10.05	0.1236	2	0.2472	1964.98	19.2765	77.97
20	350 x 350 x 12 x 19	0.0170	10.05	0.1709	2	0.3417	2711.46	26.5997	77.85
21	350 x 350 x 14 x 19	0.0177	10.05	0.1779	2	0.3558	2818.02	27.6448	77.70
22	350 x 350 x 14 x 25	0.0217	10.05	0.2181	3	0.6543	5181.28	50.8284	77.69
23	300 x 300 x 6 x 9	0.0071	7.20	0.0511	2	0.1021	807.26	7.9182	77.54
24	150 x 150 x 6 x 6	0.0026	8.50	0.0223	2	0.0447	357.34	3.5055	78.47
25	150 x 150 x 6 x 6	0.0026	8.20	0.0215	1	0.0215	172.36	1.6949	78.46
26	150 x 150 x 6 x 6	0.0026	8.20	0.0215	8	0.1724	1412.54	13.8570	80.38
27	150 x 150 x 6 x 6	0.0026	8.60	0.0226	7	0.1582	1265.40	12.4136	78.46



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Lampiran 6

PT CIGADING HBEAM CENTRE**INSPECTION CERTIFICATE**

Certificate No. : 23 / XI / 2002
 Date of Issue : NOVEMBER 20, 2002
 Contract No. : 021102 PB/KTR JEMB. RANGKA B50 (1 UNIT) SELUNTA PADANG
 Customer : PT. SURYADO HALIM PERKASA
 Commodity : H-BEAM
 Specification : JIS G 3101 SS 400 & JIS G 3106 SM 490

No.	Size (MM)						Quantity (PCS)	Weight (KG)	
1	400	x	200	x	6.0	x 12.0	10.000	10	5.578.00
2	400	x	150	x	6.0	x 12.0	10.000	10	4.636.00
3	350	x	175	x	6.0	x 12.0	1.800	10	876.96
4	350	x	300	x	12.0	x 12.0	9.520	2	1.681.99
5	350	x	300	x	12.0	x 12.0	10.000	4	3.533.60
6	350	x	350	x	12.0	x 12.0	10.000	4	3.910.40
7	800	x	400	x	12.0	x 25.0	7.200	2	3.294.14
8	800	x	550	x	14.0	x 25.0	7.250	2	4.347.25
9	800	x	400	x	12.0	x 25.0	7.250	2	3.317.02
10	800	x	350	x	12.0	x 25.0	7.250	2	3.032.39
11	800	x	300	x	12.0	x 25.0	7.250	2	2.747.90
12	800	x	300	x	12.0	x 22.0	7.250	1	1.275.57
13	350	x	350	x	16.0	x 19.0	12.000	2	3.493.44
14	350	x	350	x	12.0	x 19.0	12.000	2	3.237.60
15	350	x	350	x	12.0	x 16.0	12.000	4	5.711.04
16	350	x	350	x	9.0	x 12.0	12.000	4	4.300.80
17	350	x	350	x	6.0	x 12.0	12.000	4	3.921.12

RS / 4-5-00-01-024 / 13.10.2000 / 3

We hereby certify that the tolerance of H-Beam described herein has made in accordance with CHC Product Standard Eqp. JIS G 3192.



Office : JL. KH. Ashari No. 2, Jakarta 10130 Indonesia
 Phone : (021) 6343933, 6346405, 6343808, 6333961, 6345100 (5 Line)
 Fax : 62-21-6338438 E-mail : cigading @ indosat.net.id

Factory : Arakatau Industrial Estate Ciligon
 Phone : (0254) 392765, 385434, Fax : (0254) 392438, E-mail : cigading @ indosat.net.id

Ks. Unit Usaha Pengendalian Mutu



PT CIGADING HABERM CENTRE

INSPECTION CERTIFICATE

Certificate No. : 23 / XI / 2002
 Date of Issue : NOVEMBER 20, 2002
 Contract No. : 021102 PB/KTR JEMBRANGKA B50 (1 UNIT) SELUNA PADANG
 Customer : PT. SURYADO HALIM PERKASA
 Commodity : H-BEAM
 Specification : JIS G - 3101 SS 400 & JIS G - 3106 SM 490

No.	Size (MM)							Quantity (PCS)	Weight (KG)	
18	350	x	350	x	6.0	x	9.0	12.000	4	3,143.04
19	350	x	350	x	12.0	x	12.0	10.050	2	1,964.98
20	350	x	350	x	12.0	x	19.0	10.050	2	2,711.49
21	350	x	350	x	14.0	x	19.0	10.050	2	2,818.02
22	350	x	350	x	14.0	x	25.0	10.050	3	5,181.28
23	300	x	300	x	6.0	x	9.0	7.200	2	807.26
24	150	x	150	x	6.0	x	6.0	8.500	2	357.34
25	150	x	150	x	6.0	x	6.0	8.200	1	172.36
26	150	x	150	x	6.0	x	6.0	8.400	8	1,412.54
27	150	x	150	x	6.0	x	6.0	8.600	7	1,265.40

RS / 4-5-00-01-024 / 13.10.2000 / 3

We hereby certify that the tolerance of H-Beam described herein has made in accordance with CHC Product Standard Fqv. JIS G 3192.



January 07, 2003

Tice : JL. KH. Astari No. 2, Jakarta 10130 Indonesia
 one : (021) 6343833, 6346405, 6343806, 6333951, 6345106 (5 Line)
 rs : 62-21-6338438 E-mail : cigading @ indosat.net.id

ectory : Krakatau Industrial Estate Cilegon
 one : (0254) 392785, 385434, Fax : (0254) 392438, E-mail : cigading @ indosat.net.id

(JOKO SANTOSO)
 Ka. Unit Usaha Pengendalian Mutu

Lampiran 7 Output SAP2000

SAP2000 V5.42 File: STEEL TRUSS BRIDGE B.DD AN.M.UNITA.DWG Page: 1
17/9/2014 13:44:07

Job=3502

MEMBER ELEMENT FORCES

FRAME	LOAD	TYPE	U	V	W	X	Y	Z
104	DEAD	0.00	1099.57	2.86	1.73	-1.059E-03	-5.79	6.10
		1.25	1099.57	1.67	-1.73	-1.059E-03	-3.63	8.84
		2.50	1099.57	4.894E-01	-1.73	-1.059E-03	1.54	10.28
		3.75	1099.58	6.967E-01	-1.73	-1.059E-03	6.877E-01	10.16
		5.00	1099.58	1.88	-1.73	-1.059E-03	2.64	8.63
104	DEAD	0.00	1098.88	-3.96	1.85	1.791E-03	-2.21	6.55
		1.25	1098.88	1.77	1.85	1.791E-03	-3.93	9.52
		2.50	1098.88	-5.866E-01	-1.85	-1.791E-03	1.58	11.07
		3.75	1098.88	5.985E-01	-1.85	-1.791E-03	6.312E-01	11.07
		5.00	1098.88	1.78	1.85	-1.791E-03	2.64	9.52
104	DEAD	0.00	1118.09	-3.96	-2.07	6.432E-03	-2.95	7.24
		1.25	1118.09	-2.07	-2.07	6.432E-03	-4.96	10.57
		2.50	1118.09	9.889E-01	-2.07	-6.432E-03	-1.70	12.42
		3.75	1118.09	7.962E-01	-2.07	6.432E-03	6.142E-01	12.75
		5.00	1118.09	1.48	-2.07	6.432E-03	1.70	11.68
104	DEAD	0.00	1136.56	-3.66	3.45	-7.896E-03	2.12	8.77
		1.25	1136.56	-3.47	2.42	-7.896E-03	-5.10	12.55
		2.50	1136.56	1.29	2.42	-7.896E-03	2.08	14.51
		3.75	1136.56	-1.033E-01	-2.42	-7.896E-03	6.452E-01	13.47
		5.00	1136.56	1.00	-2.42	-7.896E-03	1.57	14.81
104	DEAD	0.00	1755.07	-4.97	-3.76	1.118E-02	9.28	9.50
		1.25	1755.07	-2.87	2.76	1.118E-02	-5.83	13.83
		2.50	1755.07	1.67	2.76	1.118E-02	-2.80	16.68
		3.75	1755.07	-5.528E-01	-2.76	-1.118E-02	1.08	18.05
		5.00	1755.07	6.322E-01	2.76	-1.118E-02	9.23	17.94
104	DEAD	0.00	1988.82	-4.68	-3.13	-1.457E-02	10.22	10.75
		1.25	1988.82	-3.20	-3.13	-1.457E-02	6.61	15.59
		2.50	1988.82	2.07	-3.13	-1.457E-02	-7.90	10.95
		3.75	1988.82	-6.753E-01	-3.13	-1.457E-02	1.22	20.82
		5.00	1988.82	1.776E-01	-3.13	-1.457E-02	5.13	11.22
104	DEAD	0.00	2317.35	-4.81	-3.55	-1.810E-02	-15.25	12.65
		1.25	2317.35	-3.73	-3.55	-1.810E-02	7.70	18.09
		2.50	2317.35	-3.84	2.55	-1.810E-02	-3.14	22.01
		3.75	2317.35	1.25	2.55	-1.810E-02	1.41	24.45
		5.00	2317.35	-1.732E-01	-2.55	-1.810E-02	5.77	23.41
104	T-150	0.00	2527.81	5.21	3.98	-2.144E-02	-13.38	11.77
		1.25	2527.81	-2.77	-3.98	-2.144E-02	8.41	18.66
		2.50	2527.81	-2.54	3.98	-2.144E-02	3.43	24.07
		3.75	2527.81	-1.75	-3.98	-2.144E-02	1.54	29.00
		5.00	2527.81	-5.659E-01	-3.98	-2.144E-02	6.52	22.45

SAP2000 v7.42 File: STP16.TECH R-1036 5-50 KN-m Units PAGE 1
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EA 2282

FRAME ELEMENT FORCES

FRMT	TYPE	LOC	P	V1	V2	T	NO	MO
304	EL504	0.00	1447.07	-4.18	0.00	0.07	2.921E-01	13.58
		1.25	-1447.07	-2.09	0.00	0.03	2.921E-01	14.50
		2.50	-1447.07	0.00	0.00	0.00	2.921E-01	15.80
		3.75	-1447.07	2.09	0.00	0.07	2.921E-01	17.50
		5.00	-1447.07	4.18	0.00	0.07	2.921E-01	18.58
304	EL505	0.00	1552.19	4.18	0.00	0.03	3.450E-01	14.32
		1.25	1552.19	-2.09	0.00	0.03	3.450E-01	15.82
		2.50	-1552.19	0.00	0.00	0.00	3.450E-01	20.17
		3.75	-1552.19	2.09	0.00	0.03	3.450E-01	18.00
		5.00	1552.19	4.18	0.00	0.03	3.450E-01	14.32
304	EL506	0.00	-1737.85	4.18	0.00	0.03	5.045E-01	17.47
		1.25	1737.85	2.09	0.00	0.03	5.045E-01	21.39
		2.50	-1737.85	0.00	0.00	0.00	5.045E-01	22.39
		3.75	-1737.85	2.09	0.00	0.03	5.045E-01	22.39
		5.00	1737.85	4.18	0.00	0.03	5.045E-01	17.47
304	EL507	0.00	-2033.63	-4.17	0.00	0.03	7.168E-01	21.36
		1.25	2033.63	2.09	0.00	0.03	7.168E-01	25.28
		2.50	-2033.63	0.00	0.00	0.00	7.168E-01	26.38
		3.75	-2033.63	2.09	0.00	0.03	7.168E-01	25.28
		5.00	2033.63	4.17	0.00	0.03	7.168E-01	21.36
304	EL508	0.00	2345.40	4.18	0.00	0.03	9.282E-01	25.25
		1.25	2345.40	2.09	0.00	0.03	9.282E-01	29.17
		2.50	2345.40	0.00	0.00	0.00	9.282E-01	32.47
		3.75	-2345.40	2.09	0.00	0.03	9.282E-01	29.17
		5.00	2345.40	4.18	0.00	0.03	9.282E-01	25.25
304	EL509	0.00	-2651.40	-4.17	0.00	0.03	1.17E	29.38
		1.25	2651.40	2.09	0.00	0.03	1.17E	33.30
		2.50	-2651.40	0.00	0.00	0.00	1.17E	34.30
		3.75	-2651.40	2.09	0.00	0.03	1.17E	33.30
		5.00	2651.40	4.17	0.00	0.03	1.17E	29.38
304	EL510	0.00	3066.20	4.18	0.00	0.03	1.33E	34.39
		1.25	3066.20	2.09	0.00	0.03	1.33E	38.30
		2.50	3066.20	0.00	0.00	0.00	1.33E	43.31
		3.75	3066.20	2.09	0.00	0.03	1.33E	38.30
		5.00	-3066.20	4.17	0.00	0.03	1.33E	34.39
304	EL511	0.00	-3346.32	-4.18	0.00	0.03	1.60E	38.35
		1.25	-3346.32	-2.09	0.00	0.03	1.60E	42.36
		2.50	3346.32	0.00	0.00	0.00	1.60E	43.37
		3.75	-3346.32	2.09	0.00	0.03	1.60E	40.36
		5.00	3346.32	4.18	0.00	0.03	1.60E	38.35

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PA 0002

FRAME ELEMENT FORCES

FRAME	LOAD	LOC.	1	V2	V3	T	MF	PS
509	DLSD1	0.00	78.20	-7.981E-01	-7.33	-1.221E-03	1.74	0.00
		5.49	74.16	0.00	7.33	-1.221E-03	2.22	1.39
		6.98	62.98	7.981E-01	7.33	-1.221E-03	7.51	7.06
509	LL10	0.00	85.04	7.981E-01	7.30	-1.399E-03	1.51	0.00
		5.49	82.96	0.00	7.30	-1.399E-03	3.52	1.39
		6.98	80.88	7.981E-01	7.30	-1.399E-03	6.54	7.06
509	LL25	0.00	106.40	-7.981E-01	-7.35	-1.816E-03	-2.14	0.00
		5.49	104.39	0.00	-7.35	-1.816E-03	4.33	1.39
		6.98	102.31	7.981E-01	-7.35	-1.816E-03	11.13	0.00
509	LL50	0.00	156.69	-7.981E-01	-2.37	-2.411E-03	-3.21	0.00
		5.49	154.61	0.00	-2.37	-2.411E-03	5.76	1.39
		6.98	152.55	7.981E-01	2.37	-2.411E-03	14.72	0.00
509	LL75	0.00	167.95	-7.981E-01	-3.19	-2.007E-03	-5.24	0.00
		5.49	164.84	0.00	3.19	-2.007E-03	9.20	1.39
		6.98	161.76	7.981E-01	3.19	-2.007E-03	18.53	0.00
509	LL100	0.00	178.31	-7.981E-01	-3.83	-1.679E-03	4.68	0.00
		5.49	176.22	0.00	-3.83	-1.679E-03	8.68	1.39
		6.98	174.15	7.981E-01	-3.83	-1.679E-03	22.07	0.00
509	LL125	0.00	234.95	7.981E-01	4.60	-4.415E-03	5.48	0.00
		5.49	234.0	0.00	-4.60	-4.415E-03	10.50	1.39
		6.98	232.77	7.981E-01	-4.60	-4.415E-03	26.64	0.00
509	LL150	0.00	266.15	-7.981E-01	-5.21	-4.984E-03	-6.31	0.00
		5.49	264.0	0.00	-5.21	-4.984E-03	11.97	1.39
		6.98	262.02	7.981E-01	5.21	-4.984E-03	30.16	0.00

3482000 07.40 Title: BLOCK THEORY RETAIL R-50 100-m Units 23.23 1
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J O I N T D E S I G N A T I O N S

JOINT	LOAD	E1	E2	E3	E4	E5
100	EL100	0.0000	0.0000	0.0000	-9.326E-04	2.903E-03
100	EL100	-0.0000	0.0000	0.0000	5.757E-04	5.107E-03
100	EL100	-0.0000	0.0000	0.0000	-0.0000E-04	3.442E-03
100	EL100	-0.0000	0.0000	0.0000	7.433E-04	3.076E-03
100	EL100	-0.0000	0.0000	0.0000	-9.589E-04	5.570E-03
100	EL100	0.0000	0.0000	0.0000	-0.0000E-04	5.083E-03
100	EL100	-0.0000	0.0000	0.0000	-1.170E-03	5.900E-03
100	EL100	-0.0000	0.0000	0.0000	-1.240E-03	5.543E-03

J O I N T R E A C T I O N S

JOINT	LOAD	E1	E2	E3	E4	E5
100	EL100	0.0000	-21.5258	770.3758	0.0000	0.0000
100	EL100	0.0000	-23.0479	827.7843	0.0000	0.0000
100	EL100	0.0000	-25.6074	906.7510	0.0000	0.0000
100	EL100	0.0000	-29.7580	1045.7393	0.0000	0.0000
100	EL100	0.0000	-33.9036	1179.5906	0.0000	0.0000
100	EL100	0.0000	-38.3091	1326.4893	0.0000	0.0000
100	EL100	0.0000	-42.9818	1488.4040	0.0000	0.0000
100	EL100	0.0000	-46.5338	1676.5019	0.0000	0.0000

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JOINT DISPLACEMENTS

JOINT	LOAD	U1	U2	U3	R1	R2	R3
101	DLSD	-0.0135	-6.043E-06	-0.0139	-8.449E-04	1.492E-03	1.074E-03
101	UDL	-0.0116	-6.453E-06	-0.0149	8.979E-04	2.875E-03	-2.547E-03
101	UDL	-0.0125	-7.132E-06	-0.0156	7.774E-04	3.143E-03	2.847E-03
101	UDL	-0.0214	8.220E-06	0.0192	-8.135E-04	0.6447E-03	-3.411E-03
101	UDL	-0.0214	-8.308E-06	-0.0178	-1.014E-03	1.144E-03	3.379E-03
101	UDL	0.0276	-1.048E-05	-0.0246	-1.169E-03	5.684E-03	-5.382E-03
101	UDL	-0.0321	-1.243E-05	0.0268	1.410E-03	5.451E-03	-5.097E-03
101	UDL	-0.0349	-1.323E-05	-0.0311	-1.549E-03	5.973E-03	-5.548E-03

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JOINT DISPLACEMENTS

JOINT	LOAD	U1	U2	U3	R1	R2	R3
102	DLSD	-0.0142	-4.570E-06	-0.0262	-8.486E-04	2.215E-03	-1.092E-03
102	UDL	-0.0153	-4.683E-06	0.0000	9.205E-04	2.404E-03	-2.037E-03
102	UDL	0.0170	-5.582E-06	-0.0311	-1.027E-03	2.578E-03	-2.258E-03
102	UDL	0.0189	-6.198E-06	-0.0361	-1.205E-03	3.110E-03	-2.622E-03
102	UDL	-0.0224	7.012E-06	-0.0410	-1.384E-03	3.563E-03	2.897E-03
102	UDL	-0.0252	7.850E-06	0.0463	-1.580E-03	4.038E-03	-2.378E-03
102	UDL	-0.0294	-9.187E-06	-0.0539	-1.878E-03	4.565E-03	-3.947E-03
102	UDL	0.0320	-9.960E-06	-0.0593	-2.048E-03	5.082E-03	-1.283E-03

SAP2000 v14.25 File: PIERL BRIDGE BRIDGE R-50 KM-H Model - IAC.rtf
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JOINT DISPLACEMENTS

JOINT	LOAD	U1	U2	U3	R1	R2	R3
103	DL5PL	-0.0133	3.032E-06	0.0050	-6.607E-04	1.604E-03	-1.178E-03
103	LL10	-0.0132	-0.230E-06	-0.0165	-2.041E-03	1.720E-03	-1.240E-03
103	TL75	0.0147	-3.634E-06	-0.0436	-1.169E-03	1.523E-03	-1.352E-03
103	LL50	-0.0271	-1.117E-06	-0.0437	1.972E-03	2.041E-03	1.675E-03
103	TL75	0.0194	4.614E-06	-0.0056	-1.576E-02	2.553E-03	-1.798E-03
103	LL100	-0.0220	-3.278E-06	-0.0610	-1.199E-03	2.500E-03	-2.037E-03
103	TL125	-0.0256	-6.105E-06	-0.0754	-2.139E-03	3.373E-03	-2.373E-03
103	LL150	-0.0278	4.615E-06	0.0610	5.334E-03	3.666E-03	-3.588E-03

SAP2000 v7.42 File: SLETH BRIDGE BRIDGE R-50 KM-H Model - IAC.rtf
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JOINT DISPLACEMENTS

JOINT	LOAD	U1	U2	U3	R1	R2	R3
104	DL5DL	-0.0103	-5.035E-06	0.0421	1.095E-03	8.428E-04	4.235E-04
104	TL10	-0.0110	-6.293E-06	-0.0451	-1.189E-03	9.132E-04	-1.607E-04
104	LL25	-0.0123	5.910E-06	0.0506	-1.329E-03	1.060E-03	-5.184E-04
104	LL50	-0.0152	-7.942E-06	-0.0583	-2.564E-03	-1.355E-03	-2.012E-04
104	TL75	0.0143	-6.968E-06	-0.0665	-1.798E-03	1.439E-03	-6.402E-04
104	LL100	-0.0203	-2.005E-06	-0.0752	-2.050E-03	1.675E-03	7.830E-04
104	TL125	-0.0213	-1.171E-06	0.0373	2.449E-03	2.159E-03	2.356E-04
104	LL150	-0.0232	-1.270E-06	-0.0953	-3.607E-03	2.100E-03	-3.403E-04

BARCODE: 07-27-7104-0000, TOWER BRIDGE B-50, KENTON, ILL. 62801
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JOINT DISPLACEMENTS

JOINT	LOAD	U1	U2	U3	R1	R2	R3
105	0.000	-0.000E-03	5.12E-06	0.000	1.250E-03	0.000	0.000
105	0.000	-0.000E-03	-0.000E-06	-0.000	-1.250E-03	0.000	0.000
105	0.000	0.000E-03	0.000E-06	0.000	0.000	0.000	0.000
105	0.000	-0.000E-03	-0.000E-06	-0.000	-0.000	0.000	0.000
105	0.000	-0.000E-03	0.000E-06	0.000	0.000	0.000	0.000
105	0.000	-0.000E-03	-0.000E-06	-0.000	-0.000	0.000	0.000
105	0.000	-0.000E-03	0.000E-06	0.000	0.000	0.000	0.000
105	0.000	-0.000E-03	-0.000E-06	-0.000	-0.000	0.000	0.000
105	0.000	-0.000E-03	0.000E-06	0.000	0.000	0.000	0.000

BARCODE: 07-27-7104-0000, TOWER BRIDGE B-50, KENTON, ILL. 62801
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JOINT DISPLACEMENTS

JOINT	LOAD	U1	U2	U3	R1	R2	R3
106	0.000	-1.000E-03	-1.000E-06	-0.000	-1.000E-03	-0.000	-0.000
106	0.000	-1.000E-03	-1.000E-06	-0.000	-1.000E-03	-0.000	-0.000
106	0.000	-1.000E-03	-1.000E-06	-0.000	-1.000E-03	-0.000	-0.000
106	0.000	-1.000E-03	-1.000E-06	-0.000	-1.000E-03	-0.000	-0.000
106	0.000	-1.000E-03	-1.000E-06	-0.000	-1.000E-03	-0.000	-0.000
106	0.000	-1.000E-03	-1.000E-06	-0.000	-1.000E-03	-0.000	-0.000
106	0.000	-1.000E-03	-1.000E-06	-0.000	-1.000E-03	-0.000	-0.000
106	0.000	-1.000E-03	-1.000E-06	-0.000	-1.000E-03	-0.000	-0.000
106	0.000	-1.000E-03	-1.000E-06	-0.000	-1.000E-03	-0.000	-0.000

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J O I N T F I S T E R L A C S M E N T S

JOINT	LOAD	L1	L2	L3	R1	R2	R3
107	0.4800	3.7410-03	3.0026-06	0.0000	0.4678-04	-1.6606-03	1.1284-03
107	0.5200	-3.9898-03	-0.3002-06	-0.0000	-1.0410-03	-1.7230-03	1.4202-03
107	0.7000	2.4256-03	-0.6498-06	-0.0000	1.1898-03	-1.0236-03	1.3504-03
107	0.5500	-5.1086-03	-0.1146-06	0.0000	1.3740-03	-2.0415-03	1.5760-03
107	0.7500	5.7946-03	0.6748-06	0.0000	1.5268-03	-2.0405-03	1.7288-03
107	0.5000	-6.5548-03	-0.2498-06	-0.0000	-1.7498-03	-2.0608-03	2.3040-03
107	0.7000	-7.5858-03	-0.1068-06	-0.0000	-2.1138-03	-2.3780-03	2.3780-03
107	0.5500	8.2426-03	0.6406-06	0.0000	2.3340-03	-3.6860-03	3.6860-03

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J O I N T F I S T E R L A C S M E N T S

JOINT	LOAD	L1	L2	L3	R1	R2	R3
109	0.4800	-1.0500-03	-0.5700-06	0.0000	0.4560-04	2.0450-03	1.4440-03
109	0.5200	-1.5760-03	-0.8800-06	-0.0000	-0.2000-04	-2.6040-03	2.0270-03
109	0.7000	2.1000-03	0.4800-06	0.0000	1.0770-03	-2.4780-03	2.2580-03
109	0.5500	-3.5250-03	-0.1900-06	-0.0000	-1.2000-03	-3.1100-03	2.6200-03
109	0.7500	3.8800-03	0.6100-06	-0.0000	-1.2840-03	-3.5440-03	2.9470-03
109	0.5000	-3.2000-03	-0.0900-06	-0.0000	-1.5100-03	-4.0000-03	3.3780-03
109	0.7000	-3.7240-03	0.1000-06	0.0000	-1.6780-03	-4.6500-03	3.9310-03
109	0.5500	4.1000-03	-0.4600-06	-0.0000	-1.6800-03	-5.0000-03	4.2000-03

BRIDGE W7.42 FILE: STEEL TRUSS BRIDGE 3-50 35-m Units PAGE 1
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JOINT REACTIONS

JOINT	FX	FY	FZ	UX	UY	UZ	RX	RY	RZ
110	0.000	0.000	0.000	0.000	0.000	0.000	5.435E-04	2.803E-01	5.48E-03
113	0.000	0.000	0.000	0.000	0.000	0.000	-1.754E-04	-5.107E-03	7.555E-02
115	0.000	0.000	0.000	0.000	0.000	0.000	6.483E-04	-3.442E-01	5.948E-02
116	0.000	0.000	0.000	0.000	0.000	0.000	-7.435E-04	-5.973E-01	5.415E-02
117	0.000	0.000	0.000	0.000	0.000	0.000	8.482E-04	4.210E-01	5.882E-02
119	0.000	0.000	0.000	0.000	0.000	0.000	-3.611E-01	-5.083E-01	4.183E-02
119	0.000	0.000	0.000	0.000	0.000	0.000	-1.737E-03	-5.507E-03	5.038E-02
119	0.000	0.000	0.000	0.000	0.000	0.000	-1.140E-03	-6.414E-01	5.845E-02

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JOINT REACTION

JOINT	FX	FY	FZ	UX	UY	UZ	RX	RY	RZ
110	0.000	0.000	-21.5258	777.5768	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	-23.0549	823.1893	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	-23.9474	906.7580	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	-29.7480	1043.1383	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	-33.8886	1179.5205	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	-38.3091	1326.4838	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	-42.5818	1535.5580	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	-48.3398	1873.5518	0.000	0.000	0.000	0.000	0.000

Lampiran 8

Foto-foto Pengujian Jembatan Rangka Baja B-50



Tampak depan jembatan



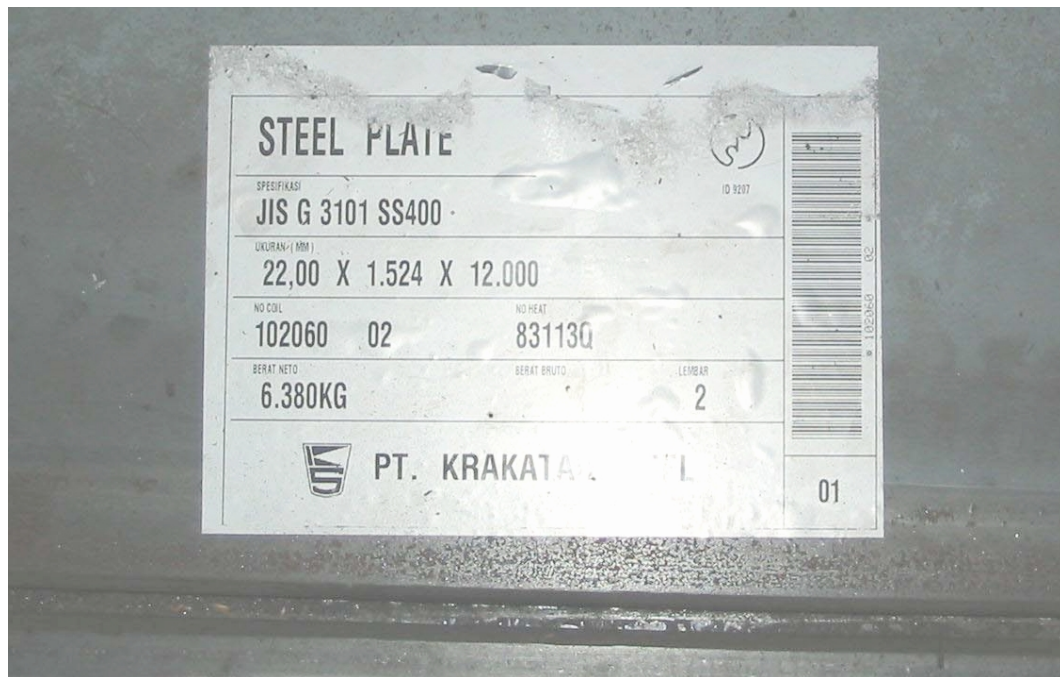
Bagian dalam jembatan



Beban KEL berupa 20 lembar pelat baja terikat



Winch / alat penarik pelat baja



Label kode produk baja tipe SS400



Beban berupa karung berisi pasir



Beban berupa pelat baja



Beban KEL dan karung berisi pasir terpasang