



KARTU PESERTA TUGAS AKHIR

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JUDUL TUGAS AKHIR

Efek Penggunaan Outtrigger dan Belt Truss Pada Respon Struktur Baja Bertingkat Banyak

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1	Pendaftaran						
2	Penentuan Dosen Pembimbing						
3	Pembuatan Proposal						
4	Seminar Proposal						
5	Konsultasi Penyusunan TA.						
6	Sidang - Sidang						
7	Pendadaran						

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Perhitungan Beban Statik Ekuivalen Struktur Baja 20 Lantai
20 Lantai Belt Truss and Outtrigger Frame

Lt	Balok				Kolom						Bracing			
	B1	B2	B3	B4	B. anak	K1	K2	K3	K4	K5	K6	Str Inti	Outtrigger	Belt Truss
20	W16x26	W16x26	W12x26	W10x33	W10x33	W14x90	W14x99	W14x159	W14x99	W14x193	W14x193	W10x26	W10x49	W12x45
19	W16x31	W18x35	W12x26	W12x30	W10x49	W14x90	W14x109	W14x176	W14x109	W14x211	W14x211	W10x26		
18	W16x31	W18x35	W12x26	W12x30	W10x49	W14x90	W14x109	W14x193	W14x109	W14x211	W14x211	W10x26		
17	W16x31	W18x35	W12x26	W12x30	W10x49	W14x90	W14x109	W14x193	W14x109	W14x211	W14x211	W10x26		
16	W16x36	W18x40	W12x26	W12x30	W10x49	W14x109	W14x120	W14x211	W14x120	W14x233	W14x233	W10x26		
15	W16x36	W18x40	W12x26	W12x30	W10x49	W14x109	W14x120	W14x211	W14x120	W14x233	W14x233	W10x26		
14	W16x36	W18x40	W12x26	W12x30	W10x49	W14x109	W14x120	W14x211	W14x120	W14x233	W14x233	W10x26		
13	W16x36	W18x40	W12x26	W12x30	W10x49	W14x109	W14x120	W14x211	W14x120	W14x233	W14x233	W10x26		
12	W16x36	W18x40	W12x26	W12x30	W10x49	W14x132	W14x145	W14x233	W14x159	W14x257	W14x257	W10x26		
11	W16x36	W18x40	W12x26	W12x30	W10x49	W14x132	W14x145	W14x233	W14x159	W14x257	W14x257	W10x26		
10	W16x36	W18x40	W12x26	W12x30	W10x49	W14x132	W14x145	W14x233	W14x159	W14x257	W14x257	W10x26	W12x65	W12x65
9	W16x36	W18x40	W12x26	W12x30	W10x49	W14x132	W14x145	W14x233	W14x159	W14x257	W14x257	W10x33		
8	W16x40	W18x46	W12x26	W12x30	W10x49	W14x145	W14x176	W14x257	W14x193	W14x311	W14x311	W10x33		
7	W16x40	W18x46	W12x26	W12x30	W10x49	W14x145	W14x176	W14x257	W14x193	W14x311	W14x311	W10x33		
6	W16x40	W18x46	W12x26	W12x30	W10x49	W14x145	W14x176	W14x257	W14x193	W14x311	W14x311	W10x33		
5	W16x45	W18x50	W12x26	W12x30	W10x49	W14x145	W14x176	W14x257	W14x193	W14x311	W14x311	W10x33		
4	W16x45	W18x50	W12x26	W12x30	W10x49	W14x159	W14x257	W14x283	W14x257	W14x370	W14x370	W10x33		
3	W16x45	W18x50	W12x26	W12x30	W10x49	W14x159	W14x257	W14x283	W14x257	W14x370	W14x370	W10x33		
2	W16x45	W18x50	W12x26	W12x30	W10x49	W14x159	W14x257	W14x283	W14x257	W14x370	W14x370	W10x33		
1	W16x45	W18x50	W12x26	W12x30	W10x49	W14x159	W14x257	W14x283	W14x257	W14x370	W14x370	W10x33		

Lantai	W Balok (Kg)	W Kolom (Kg)	W Bracing (Kg)			WD + 0.3 WL (Kg)	Wi (Kg)
			Inti	Outtrigger	Belt Truss		
20	22258.20016	26978.31687	3692.012838	9780.411635	18734.99133	303264	384707.9328
19	27468.61087	29335.78972	4303.286122			749898	811005.6867
18	27468.61087	29335.78972	4303.286122			749898	811005.6867
17	27468.61087	29335.78972	4303.286122			749898	811005.6867
16	28734.82723	32601.00808	4303.286122			749898	815537.1214
15	28734.82723	32601.00808	5290.063649			749898	816523.899
14	28734.82723	32601.00808	5290.063649			749898	816523.899
13	28734.82723	32601.00808	5290.063649			749898	816523.899
12	28734.82723	38136.52769	5290.063649			749898	822059.4186

Tabel Total Beban yang Bekerja Pada Atap dan Lantai Struktur OF,BOF dan Global Brace

Lokasi	bagian	berat	satuan	p (m)	l (m)	t (m)	total (Kg)
Atap	beban mati						
1	Pelat Lantai	321	Kg/m2	36	24	1	277344
					WD		277344
	beban hidup						
1	atap	100	Kg/m2	36	24	1	86400
					WL	0.3	15750
Lantai	beban mati						
1	Pelat Lantai	483	Kg/m2	36	24	1	417312
2	Dinding	1700	Kg/m3	348	0.15	3.3	292842
					WD		710154
	beban hidup						
1	Perkantoran	250	Kg/m2	36	24	1	216000
					WL	0.3	64800

Keterangan :

- WD = berat total beban mati
- WL = berat total beban hidup

11	28734.82723	38136.52769	5290.063649			749898	822059.4186
10	28734.82723	38136.52769	5290.063649		27315.89933	749898	859970.7726
9	28734.82723	38136.52769	5290.063649			749898	822059.4186
8	30056.83021	45872.22929	6355.332749			749898	832182.3923
7	30056.83021	45872.22929	6355.332749			749898	832182.3923
6	30056.83021	45872.22929	6355.332749			749898	832182.3923
5	30056.83021	46774.286	7568.181936			749898	834297.2981
4	31148.3926	57739.20315	7568.181936			749898	846353.7777
3	31148.3926	57739.20315	7568.181936			749898	846353.7777
2	31148.3926	57739.20315	7568.181936			749898	846353.7777
1	31148.3926	57739.20315	7568.181936			749898	846353.7777

T	c	I	R	Wt (Kg)	V (Kg)
1.4	0.3	1	6.5	16125242.43	744241.9581

Lantai	hi (m)	wi (Kg)	hi.wi	Fx.y (Kg)
20	75.00	384708	28853095	105878.34
19	71.25	811006	57784155	62993.29
18	67.50	811006	54742884	59677.85
17	63.75	811006	51701613	56362.41
16	60.00	815537	48932227	53343.37
15	56.25	816524	46929469	50069.92
14	52.50	816524	42867505	46731.93
13	48.75	816524	39805540	43393.93
12	45.00	822059	36992674	40327.49
11	41.25	822059	33909951	36966.87
10	37.50	859971	32248904	35156.08
9	33.75	822059	27744505	30245.62
8	30.00	832182	24965472	27216.06
7	26.25	832182	21844788	23814.05
6	22.50	832182	18724104	20412.05
5	18.75	834297	15643074	17053.27
4	15.00	846354	12695307	13839.76
3	11.25	846354	9521480	10379.82
2	7.50	846354	6347653	6919.88
1	3.75	846354	3173827	3459.94

20 Lantai Open Frame

Lantai	Balok				B. anak	Kolom					
	B1	B2	B3	B4		K1	K2	K3	K4	K5	K6
20	W16X31	W18X35	W16X26	W16X31	W10X33	W14X132	W14X176	W14X159	W14X159	W14X211	W14X211
19	W18x40	W21X50	W16X26	W16X31	W10X49	W14X193	W14X233	W14X211	W14X193	W14X311	W14X311
18	W18x40	W21X55	W16X26	W16X31	W10X49	W14X233	W14X257	W14X233	W14X311	W14X342	W14X370
17	W18x40	W21X55	W16X26	W16X31	W10X49	W14X233	W14X257	W14X233	W14X311	W14X342	W14X370
16	W18x40	W24X55	W16X26	W16X31	W10X49	W14X257	W14X283	W14X257	W14X342	W14X370	W14X398
15	W18x40	W24X55	W16X26	W16X31	W10X49	W14X257	W14X283	W14X257	W14X342	W14X370	W14X398
14	W18x40	W24X55	W16X26	W16X31	W10X49	W14X257	W14X283	W14X257	W14X342	W14X370	W14X398
13	W18x40	W24X55	W16X26	W16X31	W10X49	W14X257	W14X283	W14X257	W14X342	W14X370	W14X398
12	W18x46	W24X62	W16X26	W16X31	W10X49	W14X283	W14X311	W14X283	W14X342	W14X398	W14X426
11	W18x46	W24X62	W16X26	W16X31	W10X49	W14X283	W14X311	W14X283	W14X370	W14X398	W14X426
10	W18x46	W24X62	W16X26	W16X31	W10X49	W14X283	W14X311	W14X283	W14X370	W14X398	W14X426
9	W18x46	W24X62	W16X26	W16X31	W10X49	W14X283	W14X311	W14X283	W14X370	W14X398	W14X426
8	W18x50	W24X68	W16X26	W16X31	W10X49	W14X311	W14X342	W14X311	W14X370	W14X455	W14X455
7	W18x50	W24X68	W16X26	W16X31	W10X49	W14X311	W14X342	W14X311	W14X426	W14X455	W14X455
6	W18x50	W24X68	W16X26	W16X31	W10X49	W14X311	W14X342	W14X311	W14X426	W14X455	W14X455
5	W18x50	W24X68	W16X26	W16X31	W10X49	W14X311	W14X342	W14X311	W14X426	W14X455	W14X455
4	W18x50	W24X76	W16X26	W16X31	W10X49	W14X370	W14X426	W14X426	W14X455	W14X500	W14X500
3	W18x50	W24X76	W16X26	W16X31	W10X49	W14X370	W14X426	W14X426	W14X455	W14X500	W14X500
2	W18x50	W24X76	W16X26	W16X31	W10X49	W14X370	W14X426	W14X426	W14X455	W14X500	W14X500
1	W18x50	W24X76	W16X26	W16X31	W10X49	W14X370	W14X426	W14X426	W14X455	W14X500	W14X500

Lantai	W Balok (Kg)	W Kolom (Kg)	WD + 0.3 WL (Kg)	Wi (Kg)
20	23857.9538	35111.98373	303264	362233.9375
19	30586.83794	48593.55978	749898	829078.3977
18	31496.47483	60308.92513	749898	841703.4
17	31496.47483	60308.92513	749898	841703.4
16	31557.12105	65793.27919	749898	847248.4002
15	31557.12105	65209.59576	749898	846664.7168
14	31557.12105	65209.59576	749898	846664.7168
13	31557.12105	65209.59576	749898	846664.7168
12	33182.33821	68942.89657	749898	852023.2348
11	33182.33821	70458.95806	749898	853539.2963
10	33182.33821	70458.95806	749898	853539.2963
9	33182.33821	70458.95806	749898	853539.2963

Global Brace		Balok										Kolom						Global Brace4
Lantai	B1	B2	B3	B4	B. anak	K1	K2	K3	K4	K5	K6							
20	W16x26	W16x26	W10x33	W10x33	W10x33	W14x82	W14x109	W14x145	W14x90	W14x193	W14x176	W10x33						W10x33
19	W16x26	W18x35	W12x22	W12x30	W10x49	W14x90	W14x120	W14x176	W14x99	W14x193	W14x193	W10x33						W10x33
18	W16x26	W18x35	W12x22	W12x30	W10x49	W14x90	W14x120	W14x176	W14x99	W14x193	W14x193	W10x33						W10x33
17	W16x26	W18x35	W12x22	W12x30	W10x49	W14x90	W14x120	W14x176	W14x99	W14x193	W14x193	W10x33						W10x33
16	W16x31	W18x35	W12x22	W12x30	W10x49	W14x99	W14x132	W14x193	W14x109	W14x211	W14x211	W12x53						W12x53
15	W16x31	W18x35	W12x22	W12x30	W10x49	W14x99	W14x132	W14x193	W14x109	W14x211	W14x211	W12x53						W12x53
14	W16x31	W18x35	W12x22	W12x30	W10x49	W14x99	W14x132	W14x193	W14x109	W14x211	W14x211	W12x53						W12x53
13	W16x31	W18x35	W12x22	W12x30	W10x49	W14x99	W14x132	W14x193	W14x109	W14x211	W14x211	W12x53						W12x53
12	W16x31	W18x40	W12x22	W12x30	W10x49	W14x120	W14x159	W14x211	W14x145	W14x233	W14x233	W12x53						W12x53
11	W16x31	W18x40	W12x22	W12x30	W10x49	W14x120	W14x159	W14x211	W14x145	W14x233	W14x233	W12x53						W12x53
10	W16x31	W18x40	W12x22	W12x30	W10x49	W14x120	W14x159	W14x211	W14x145	W14x233	W14x233	W12x53						W12x53
9	W16x31	W18x40	W12x22	W12x30	W10x49	W14x120	W14x159	W14x211	W14x145	W14x233	W14x233	W12x53						W12x53
8	W16x36	W18x46	W12x22	W12x30	W10x49	W14x159	W14x193	W14x233	W14x193	W14x283	W14x283	W12x53						W12x53
7	W16x36	W18x46	W12x22	W12x30	W10x49	W14x159	W14x193	W14x233	W14x193	W14x283	W14x283	W12x53						W12x53
6	W16x36	W18x46	W12x22	W12x30	W10x49	W14x159	W14x193	W14x233	W14x193	W14x283	W14x283	W12x53						W12x53
5	W16x36	W18x46	W12x22	W12x30	W10x49	W14x159	W14x193	W14x233	W14x193	W14x283	W14x283	W12x53						W12x53
4	W16x40	W18x50	W12x22	W12x30	W10x49	W14x193	W14x257	W14x257	W14x257	W14x342	W14x342	W12x65						W12x65
3	W16x40	W18x50	W12x22	W12x30	W10x49	W14x193	W14x257	W14x257	W14x257	W14x342	W14x342	W12x65						W12x65
2	W16x40	W18x50	W12x22	W12x30	W10x49	W14x193	W14x257	W14x257	W14x257	W14x342	W14x342	W12x65						W12x65
1	W16x40	W18x50	W12x22	W12x30	W10x49	W14x193	W14x257	W14x257	W14x257	W14x342	W14x342	W12x65						W12x65

Lantai	W Balok (Kg)	W Kolom (Kg)	WD + 0.3 WL (Kg)	Wt (Kg)
20	23007.74119	10479.77501	303264	339577.9383
19	27116.88536	11537.22942	749898	791378.5369
18	27116.88536	11537.22942	749898	791378.5369
17	27116.88536	11537.22942	749898	791378.5369
16	27468.61087	12681.85514	749898	792874.8881
15	27468.61087	12681.85514	749898	794589.3752
14	27468.61087	12681.85514	749898	794589.3752
13	27468.61087	12681.85514	749898	794589.3752
12	28378.24776	16077.83133	749898	798894.9883
11	28378.24776	16077.83133	749898	798894.9883
10	28378.24776	16077.83133	749898	798894.9883
9	28378.24776	16077.83133	749898	798894.9883
8	29765.74716	20762.46273	749898	804967.119
7	29765.74716	20762.46273	749898	804967.119

6	29765.74716	20762.46273	749898	804967.119
5	29765.74716	21205.91059	749898	806429.3602
4	30784.53784	27228.46637	749898	813470.7067
3	30784.53784	27228.46637	749898	813470.7067
2	30784.53784	27228.46637	749898	813470.7067
1	30784.53784	27228.46637	749898	813470.7067

T	c	I	R	Wt (Kg)	V (Kg)
1.40	0.30	1.00	6.50	15561150.06	718206.93

Lantai	hi (m)	wi (Kg)	hi.wi	Fx.y (Kg)
20	75.00	339578	25468345	99568.52
19	71.25	791379	56385721	61432.39
18	67.50	791379	53418051	58199.10
17	63.75	791379	50450382	54965.82
16	60.00	792875	47572493	51830.35
15	56.25	794589	44695652	48696.03
14	52.50	794589	41715942	45449.63
13	48.75	794589	38736232	42203.22
12	45.00	798895	35950274	39167.92
11	41.25	798895	32954418	35903.92
10	37.50	798895	29958562	32639.93
9	33.75	798895	26962706	29375.94
8	30.00	804967	24149014	26310.41
7	26.25	804967	21130387	23021.61
6	22.50	804967	18111760	19732.81
5	18.75	806429	15120551	16473.88
4	15.00	813471	12202061	13294.18
3	11.25	813471	9151545	9970.63
2	7.50	813471	6101030	6647.09
1	3.75	813471	3050515	3323.54

Perhitungan Beban Statik Ekuivalen Struktur Baja 30 Lantai

Belt Truss and Outrigger Frame (BOF)

Lantai	Balok					Kolom						Bracing		
	B1	B2	B3	B4	B. anak	K1	K2	K3	K4	K5	K6	Str Inti	Outrigger	Belt Truss
30	W14x22	W18x35	W12x22	W12x26	W10x33	W14x211	W14x257	W14x257	W14x283	W14x311	W14x311	W10x33	W10x33	W12x30
29	W14x26	W21x48	W12x26	W12x35	W10x49	W14x283	W14x398	W14x398	W14x342	W14x398	W14x398	W10x33		
28	W16x31	W21x48	W12x26	W12x35	W10x49	W14x342	W14x398	W14x398	W14x398	W14x455	W14x455	W10x33		
27	W16x31	W21x48	W12x26	W12x35	W10x49	W14x342	W14x398	W14x398	W14x398	W14x455	W14x455	W10x33		
26	W16x31	W21x48	W12x26	W12x35	W10x49	W14x342	W14x398	W14x398	W14x398	W14x455	W14x455	W10x33		
25	W16x31	W21x48	W12x26	W12x35	W10x49	W14x342	W14x398	W14x398	W14x398	W14x455	W14x455	W10x33		
24	W16x31	W21x48	W12x26	W12x35	W10x49	W14x342	W14x398	W14x398	W14x398	W14x455	W14x455	W10x33		
23	W18x35	W21x50	W12x26	W12x35	W10x49	W14x370	W14x426	W14x426	W14x398	W14x455	W14x455	W10x33		
22	W18x35	W21x50	W12x26	W12x35	W10x49	W14x370	W14x426	W14x426	W14x398	W14x455	W14x455	W10x33		
21	W18x35	W21x50	W12x26	W12x35	W10x49	W14x370	W14x426	W14x426	W14x398	W14x455	W14x455	W10x33	W12x45	
20	W18x35	W21x50	W12x26	W12x35	W10x49	W14x370	W14x426	W14x426	W14x398	W14x455	W14x455	W10x39		
19	W18x35	W21x50	W12x30	W14x38	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x39		
18	W18x40	W21x55	W12x30	W14x38	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x39		
17	W18x40	W21x55	W12x30	W14x38	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x39		
16	W18x40	W21x55	W12x30	W14x38	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x39		
15	W18x40	W21x55	W12x30	W14x38	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x39		
14	W18x40	W21x55	W12x30	W14x38	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x39		
13	W21x44	W24x55	W12x30	W14x38	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x39		
12	W21x44	W24x55	W12x30	W14x38	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x39		
11	W21x44	W24x55	W12x30	W14x38	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x39		
10	W21x44	W24x55	W12x30	W14x38	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x49	W12x65	W12x50
9	W21x44	W24x55	W14x34	W16x45	W10x49	W14x398	W14x455	W14x455	W14x455	W14x500	W14x500	W10x49		
8	W21x48	W24x62	W14x34	W16x45	W10x49	W14x426	W14x500	W14x500	W14x500	W14x605	W14x605	W10x49		
7	W21x48	W24x62	W14x34	W16x45	W10x49	W14x426	W14x500	W14x500	W14x500	W14x605	W14x605	W10x49		
6	W21x48	W24x62	W14x34	W16x45	W10x49	W14x426	W14x500	W14x500	W14x500	W14x605	W14x605	W10x49		
5	W21x48	W24x62	W14x34	W16x45	W10x49	W14x426	W14x500	W14x500	W14x500	W14x605	W14x605	W10x49		
4	W21x48	W24x62	W14x34	W16x45	W10x49	W14x426	W14x500	W14x500	W14x500	W14x605	W14x605	W10x49		
3	W21x57	W24x68	W14x34	W16x45	W10x49	W14x455	W14x550	W14x550	W14x550	W14x665	W14x665	W10x49		
2	W21x57	W24x68	W14x34	W16x45	W10x49	W14x455	W14x550	W14x550	W14x550	W14x665	W14x665	W10x49		
1	W21x57	W24x68	W14x34	W16x45	W10x49	W14x455	W14x550	W14x550	W14x550	W14x665	W14x665	W10x49		

Lantai	W Balok (Kg)	W Kolom (Kg)	W Bracing (Kg)			WD + 0.3 WL (Kg)	Wi (Kg)
			Inti	Outrigger	Belt Truss		
30	26030.469	55063.35	4052.253341	6594.98495	18308.4903	656208	741354.08
29	35608.442	69105.87	4052.253341			968625	1077391.6
28	36015.96	81222.99	4052.253341			968625	1089916.2
27	36015.96	81222.99	4052.253341			968625	1089916.2
26	36015.96	81222.99	4052.253341			968625	1089916.2
25	36015.96	81222.99	4052.253341			968625	1089916.2
24	36015.96	81222.99	4052.253341			968625	1089916.2
23	36832.201	82739.06	4052.253341			968625	1092248.5
22	36832.201	82739.06	4052.253341			968625	1092248.5
21	36832.201	82739.06	4052.253341			968625	1092248.5
20	36832.201	82739.06	5193.458598	8897.465848	23478.3699	968625	1125765.6
19	37889.2	82739.06	5193.458598			968625	1094446.7
18	39526.546	91285.85	5193.458598			968625	1104630.9
17	39526.546	91285.85	5193.458598			968625	1104630.9
16	39526.546	91285.85	5193.458598			968625	1104630.9
15	39526.546	91285.85	5193.458598			968625	1104630.9
14	39526.546	91285.85	5193.458598			968625	1104630.9
13	39947.005	91285.85	5193.458598			968625	1105051.3
12	39947.005	91285.85	5193.458598			968625	1105051.3
11	39947.005	91285.85	5193.458598			968625	1105051.3
10	39947.005	91285.85	7250.838046	11080.59439	29188.0367	968625	1107108.7
9	41797.814	91285.85	7250.838046			968625	1108959.5
8	43726.246	104646.1	7250.838046			968625	1124248.2
7	43726.246	104646.1	7250.838046			968625	1124248.2
6	43726.246	104646.1	7250.838046			968625	1124248.2
5	43726.246	104646.1	7250.838046			968625	1124248.2
4	43726.246	104646.1	7250.838046			968625	1124248.2
3	45917.46	111582.1	7250.838046			968625	1133375.4
2	45917.46	111582.1	7250.838046			968625	1133375.4
1	45917.46	111582.1	7250.838046			968625	1133375.4

T	c	I	R	Wt (Kg)	V (Kg)
2.08	0.12	1.00	6.50	32841028.32	583055.71

Lantai	hi (m)	wi (Kg)	hi.wi	Fx,y (Kg)
30	112.50	741354.1	83402333.44	81632.93
29	108.75	1077391.6	117166333.01	32771.03
28	105.00	1089916.2	114441201.73	32008.82
27	101.25	1089916.2	110354015.96	30865.65
26	97.50	1089916.2	106268830.18	29722.48
25	93.75	1089916.2	102179644.40	28579.31
24	90.00	1089916.2	98092458.63	27436.13
23	86.25	1092248.5	94206433.96	26349.23
22	82.50	1092248.5	90110502.05	25203.61
21	78.75	1092248.5	86014570.14	24057.99
20	75.00	1125765.6	84432415.30	23615.47
19	71.25	1094446.7	77979328.38	21810.56
18	67.50	1104630.9	74562582.85	20854.91
17	63.75	1104630.9	70420217.14	19696.30
16	60.00	1104630.9	66277851.42	18537.69
15	56.25	1104630.9	62135485.71	17379.09
14	52.50	1104630.9	57993120.00	16220.48
13	48.75	1105051.3	53871251.64	15067.61
12	45.00	1105051.3	49727309.20	13908.56
11	41.25	1105051.3	45583366.77	12749.52
10	37.50	1107108.7	41516576.06	11612.05
9	33.75	1108959.5	37427383.28	10468.31
8	30.00	1124248.2	33727446.85	9433.45
7	26.25	1124248.2	29511515.99	8254.27
6	22.50	1124248.2	25295585.14	7075.09
5	18.75	1124248.2	21079654.28	5895.91
4	15.00	1124248.2	16863723.42	4716.73
3	11.25	1133375.4	12750473.52	3566.27
2	7.50	1133375.4	8500315.68	2377.51
1	3.75	1133375.4	4250157.84	1188.76

Open Frame		Balok				Kolom					
Lantai	B1	B2	B3	B4	B. anak	K1	K2	K3	K4	K5	K6
30	W14x22	W18x35	W12x26	W12x30	W10x33	W14x257	W14x311	W14x311	W14x342	W14x370	W14x370
29	W14x30	W21x50	W12x30	W12x40	W10x49	W14x342	W14x370	W14x370	W14x398	W14x455	W14x455
28	W16x36	W21x50	W12x30	W12x40	W10x49	W14x398	W14x455	W14x455	W14x455	W14x550	W14x550
27	W16x36	W21x50	W12x30	W12x40	W10x49	W14x398	W14x455	W14x455	W14x455	W14x550	W14x550
26	W16x36	W21x50	W12x30	W12x40	W10x49	W14x398	W14x455	W14x455	W14x455	W14x550	W14x550
25	W16x36	W21x50	W12x30	W12x40	W10x49	W14x398	W14x455	W14x455	W14x455	W14x550	W14x550
24	W16x36	W21x50	W12x30	W12x40	W10x49	W14x398	W14x455	W14x455	W14x455	W14x550	W14x550
23	W18x40	W21x55	W12x30	W12x40	W10x49	W14x398	W14x455	W14x455	W14x426	W14x550	W14x550
22	W18x40	W21x55	W12x30	W12x40	W10x49	W14x398	W14x455	W14x455	W14x426	W14x550	W14x550
21	W18x40	W21x55	W12x30	W12x40	W10x49	W14x398	W14x455	W14x455	W14x426	W14x550	W14x550
20	W18x40	W21x55	W12x30	W12x40	W10x49	W14x398	W14x455	W14x455	W14x426	W14x550	W14x550
19	W18x40	W21x55	W12x40	W14x48	W10x49	W14x398	W14x455	W14x455	W14x426	W14x550	W14x550
18	W18x46	W21x57	W12x40	W14x48	W10x49	W14x426	W14x500	W14x500	W14x550	W14x605	W14x605
17	W18x46	W21x57	W12x40	W14x48	W10x49	W14x426	W14x500	W14x500	W14x550	W14x605	W14x605
16	W18x46	W21x57	W12x40	W14x48	W10x49	W14x426	W14x500	W14x500	W14x550	W14x605	W14x605
15	W18x46	W21x57	W12x40	W14x48	W10x49	W14x426	W14x500	W14x500	W14x550	W14x605	W14x605
14	W18x46	W21x57	W12x40	W14x48	W10x49	W14x426	W14x500	W14x500	W14x550	W14x605	W14x605
13	W21x50	W24x62	W12x40	W14x48	W10x49	W14x455	W14x550	W14x550	W14x550	W14x665	W14x665
12	W21x50	W24x62	W12x40	W14x48	W10x49	W14x455	W14x550	W14x550	W14x550	W14x665	W14x665
11	W21x50	W24x62	W12x40	W14x48	W10x49	W14x455	W14x550	W14x550	W14x550	W14x665	W14x665
10	W21x50	W24x62	W12x40	W14x48	W10x49	W14x455	W14x550	W14x550	W14x550	W14x665	W14x665
9	W21x50	W24x62	W14x43	W16x50	W10x49	W14x455	W14x550	W14x550	W14x550	W14x665	W14x665
8	W21x55	W24x68	W14x43	W16x50	W10x49	W14x550	W14x605	W14x605	W14x665	W14x730	W14x730
7	W21x55	W24x68	W14x43	W16x50	W10x49	W14x550	W14x605	W14x605	W14x665	W14x730	W14x730
6	W21x55	W24x68	W14x43	W16x50	W10x49	W14x550	W14x605	W14x605	W14x665	W14x730	W14x730
5	W21x55	W24x68	W14x43	W16x50	W10x49	W14x550	W14x605	W14x605	W14x665	W14x730	W14x730
4	W21x55	W24x68	W14x43	W16x50	W10x49	W14x550	W14x605	W14x605	W14x665	W14x730	W14x730
3	W21x68	W24x76	W14x43	W16x50	W10x49	W14x605	W14x665	W14x665	W14x665	W14x880	W14x880
2	W21x68	W24x76	W14x43	W16x50	W10x49	W14x605	W14x665	W14x665	W14x665	W14x880	W14x880
1	W21x68	W24x76	W14x43	W16x50	W10x49	W14x605	W14x665	W14x665	W14x665	W14x880	W14x880

Lantai	W Balok (Kg)	W Kolom (Kg)	WD + 0.3 WL (Kg)	Wi (Kg)
30	26211.995	67764.16	656208	750184.153
29	36311.487	83534.99	968625	1088471.47
28	36806.733	100856	968625	1106287.72
27	36806.733	100856	968625	1106287.72
26	36806.733	100856	968625	1106287.72
25	36806.733	100856	968625	1106287.72
24	36806.733	100856	968625	1106287.72
23	38207.573	100856	968625	1107688.56
22	38207.573	100856	968625	1107688.56
21	38207.573	100856	968625	1107688.56
20	38207.573	100856	968625	1107688.56
19	40971.052	100856	968625	1110452.04
18	41805.896	110520.9	968625	1120951.78
17	41805.896	110520.9	968625	1120951.78
16	41805.896	110520.9	968625	1120951.78
15	41805.896	110520.9	968625	1120951.78
14	41805.896	110520.9	968625	1120951.78
13	43277.49	121436.5	968625	1133339.01
12	43277.49	121436.5	968625	1133339.01
11	43277.49	121436.5	968625	1133339.01
10	43277.49	121436.5	968625	1133339.01
9	44041.583	121436.5	968625	1134103.11
8	45739.574	134379.9	968625	1148744.47
7	45739.574	134379.9	968625	1148744.47
6	45739.574	134379.9	968625	1148744.47
5	45739.574	134379.9	968625	1148744.47
4	45739.574	134379.9	968625	1148744.47
3	48442.198	47149.51	968625	1064216.71
2	48442.198	47149.51	968625	1064216.71
1	48442.198	47149.51	968625	1064216.71

T	c	I	R	Wt (Kg)	V (Kg)
112.50	2.94	0.08	1.00	8.50	33119891.10

Lantai	hi (m)	wi (Kg)	hi.wi	Fx,y (Kg)
30	112.50	750184.2	84395717.17	44570.27
29	108.75	1088471.5	118371272.83	17842.31
28	105.00	1106287.7	116160210.97	17509.03

27	101.25	1106287.7	112011632.00	16883.71
26	97.50	1106287.7	107863053.04	16258.38
25	93.75	1106287.7	103714474.08	15633.06
24	90.00	1106287.7	99565895.11	15007.74
23	86.25	1107688.6	95538138.59	14400.63
22	82.50	1107688.6	91384306.48	13774.51
21	78.75	1107688.6	87230474.37	13148.40
20	75.00	1107688.6	83076842.26	12522.28
19	71.25	1110452.0	79119708.03	11925.85
18	67.50	1120951.8	75664245.02	11405.00
17	63.75	1120951.8	71460675.86	10771.39
16	60.00	1120951.8	67257106.69	10137.78
15	56.25	1120951.8	63053537.52	9504.17
14	52.50	1120951.8	58849968.35	8870.56
13	48.75	1133339.0	55250276.97	8327.97
12	45.00	1133339.0	51000255.66	7687.36
11	41.25	1133339.0	46750234.36	7046.74
10	37.50	1133339.0	42500213.05	6406.13
9	33.75	1134103.1	38275979.88	5769.40
8	30.00	1148744.5	34462334.21	5194.57
7	26.25	1148744.5	30154542.43	4545.25
6	22.50	1148744.5	25846750.66	3895.93
5	18.75	1148744.5	21538958.88	3246.60
4	15.00	1148744.5	17231167.10	2597.28
3	11.25	1064216.7	11972437.99	1804.63
2	7.50	1064216.7	7981625.33	1203.08
1	3.75	1064216.71	3990812.66	601.54

Perhitungan Beban Statik Ekuivalen Struktur Baja 40 Lantai

Belt Truss and Outtrigger Frame (BOF)

Lantai	Balok					Kolom				Bracing		
	B1	B2	B3	B4	B. anak	K1	K2	K3	K4	Str Inti	Outtrigger	Belt Truss
40	W24x55	W24x62	W18x35	W18x40	W12x65	W36X300	W36X359	W36X328	W36X393	W12x87	W12x87	W12x87
39	W24x55	W24x62	W18x35	W18x40	W12x65	W36X300	W36X359	W36X328	W36X393	W12x87	W12x87	
38	W24x55	W24x62	W18x35	W18x40	W12x65	W36X300	W36X359	W36X328	W36X393	W12x87	W12x87	
37	W24x55	W24x62	W18x35	W18x40	W12x65	W36X300	W36X359	W36X328	W36X393	W12x87	W12x87	
36	W24x55	W24x62	W18x35	W18x40	W12x65	W36X300	W36X359	W36X328	W36X393	W12x87	W12x87	
35	W24x55	W24x62	W18x35	W18x40	W12x65	W36X300	W36X359	W36X328	W36X393	W12x87	W12x87	
34	W24x55	W24x62	W18x35	W18x40	W12x65	W36X300	W36X359	W36X328	W36X393	W12x87	W12x87	
33	W24x55	W24x62	W18x35	W18x40	W12x65	W36X300	W36X359	W36X328	W36X393	W12x87	W12x87	
32	W24x55	W24x62	W18x35	W18x40	W12x65	W36X300	W36X359	W36X328	W36X393	W12x87	W12x87	
31	W24x55	W24x62	W18x35	W18x40	W12x65	W36X300	W36X359	W36X328	W36X393	W12x87	W12x87	
30	W24x62	W24x68	W18x40	W18x46	W12x65	W36X328	W36X393	W36X359	W36X439	W12x87	W12x87	
29	W24x62	W24x68	W18x40	W18x46	W12x65	W36X328	W36X393	W36X359	W36X439	W12x87	W12x87	
28	W24x62	W24x68	W18x40	W18x46	W12x65	W36X328	W36X393	W36X359	W36X439	W12x87	W12x87	
27	W24x62	W24x68	W18x40	W18x46	W12x65	W36X328	W36X393	W36X359	W36X439	W12x87	W12x87	
26	W24x62	W24x68	W18x40	W18x46	W12x65	W36X328	W36X393	W36X359	W36X439	W12x87	W12x87	
25	W24x62	W24x68	W18x40	W18x46	W12x65	W36X328	W36X393	W36X359	W36X439	W12x87	W12x87	
24	W24x62	W24x68	W18x40	W18x46	W12x65	W36X328	W36X393	W36X359	W36X439	W12x87	W12x87	
23	W24x62	W24x68	W18x40	W18x46	W12x65	W36X328	W36X393	W36X359	W36X439	W12x87	W12x87	
22	W24x62	W24x68	W18x40	W18x46	W12x65	W36X328	W36X393	W36X359	W36X439	W12x87	W12x87	
21	W24x62	W24x68	W18x40	W18x46	W12x65	W36X328	W36X393	W36X359	W36X439	W12x87	W12x87	
20	W24x68	W24x76	W18x46	W18x50	W12x65	W36X359	W36X439	W36X393	W36X527	W12x87	W12x87	W12x87
19	W24x68	W24x76	W18x46	W18x50	W12x65	W36X359	W36X439	W36X393	W36X527	W12x87	W12x87	
18	W24x68	W24x76	W18x46	W18x50	W12x65	W36X359	W36X439	W36X393	W36X527	W12x87	W12x87	
17	W24x68	W24x76	W18x46	W18x50	W12x65	W36X359	W36X439	W36X393	W36X527	W12x87	W12x87	
16	W24x68	W24x76	W18x46	W18x50	W12x65	W36X359	W36X439	W36X393	W36X527	W12x87	W12x87	
15	W24x68	W24x76	W18x46	W18x50	W12x65	W36X359	W36X439	W36X393	W36X527	W12x87	W12x87	
14	W24x68	W24x76	W18x46	W18x50	W12x65	W36X359	W36X439	W36X393	W36X527	W12x87	W12x87	
13	W24x68	W24x76	W18x46	W18x50	W12x65	W36X359	W36X439	W36X393	W36X527	W12x87	W12x87	
12	W24x68	W24x76	W18x46	W18x50	W12x65	W36X359	W36X439	W36X393	W36X527	W12x87	W12x87	
11	W24x68	W24x76	W18x46	W18x50	W12x65	W36X359	W36X439	W36X393	W36X527	W12x87	W12x87	
10	W24x76	W24x84	W18x50	W18x55	W12x65	W36X393	W36X527	W36X439	W36X650	W12x87	W12x87	
9	W24x76	W24x84	W18x50	W18x55	W12x65	W36X393	W36X527	W36X439	W36X650	W12x87	W12x87	
8	W24x76	W24x84	W18x50	W18x55	W12x65	W36X393	W36X527	W36X439	W36X650	W12x87	W12x87	
7	W24x76	W24x84	W18x50	W18x55	W12x65	W36X393	W36X527	W36X439	W36X650	W12x87	W12x87	
6	W24x76	W24x84	W18x50	W18x55	W12x65	W36X393	W36X527	W36X439	W36X650	W12x87	W12x87	

5	W24x76	W24x84	W18x50	W18x55	W12x65	W36x393	W36x527	W36x439	W36x650	W12x87
4	W24x76	W24x84	W18x50	W18x55	W12x65	W36x393	W36x527	W36x439	W36x650	W12x87
3	W24x76	W24x84	W18x50	W18x55	W12x65	W36x393	W36x527	W36x439	W36x650	W12x87
2	W24x76	W24x84	W18x50	W18x55	W12x65	W36x393	W36x527	W36x439	W36x650	W12x87
1	W24x76	W24x84	W18x50	W18x55	W12x65	W36x393	W36x527	W36x439	W36x650	W12x87

Lantai	W Balok (Kg)	W Kolom (Kg)	W Bracing (Kg)		WD + 0.3 WL (Kg)	Wi (Kg)
			Inti	Outrigger		
40	52184.87098	139750.5457	17076.92069	19850.6266	5391.36	813718.538
39	52184.87098	139750.5457	17076.92069		1186838.4	1395850.737
38	52184.87098	139750.5457	17076.92069		1186838.4	1395850.737
37	52184.87098	139750.5457	17076.92069		1186838.4	1395850.737
36	52184.87098	139750.5457	17076.92069		1186838.4	1395850.737
35	52184.87098	139750.5457	17076.92069		1186838.4	1395850.737
34	52184.87098	139750.5457	17076.92069		1186838.4	1395850.737
33	52184.87098	139750.5457	17076.92069		1186838.4	1395850.737
32	52184.87098	139750.5457	17076.92069		1186838.4	1395850.737
31	52184.87098	139750.5457	17076.92069		1186838.4	1395850.737
30	56251.95884	154130.3898	17076.92069		1186838.4	1414297.669
29	56251.95884	154130.3898	17076.92069		1186838.4	1414297.669
28	56251.95884	154130.3898	17076.92069		1186838.4	1414297.669
27	56251.95884	154130.3898	17076.92069		1186838.4	1414297.669
26	56251.95884	154130.3898	17076.92069		1186838.4	1414297.669
25	56251.95884	154130.3898	17076.92069		1186838.4	1414297.669
24	56251.95884	154130.3898	17076.92069		1186838.4	1414297.669
23	56251.95884	154130.3898	17076.92069		1186838.4	1414297.669
22	56251.95884	154130.3898	17076.92069		1186838.4	1414297.669
21	56251.95884	154130.3898	17076.92069		1186838.4	1414297.669
20	60391.80461	177341.2921	17076.92069	19850.6266	1186838.4	1507218.618
19	60391.80461	177341.2921	17076.92069		1186838.4	1441648.417
18	60391.80461	177341.2921	17076.92069		1186838.4	1441648.417
17	60391.80461	177341.2921	17076.92069		1186838.4	1441648.417
16	60391.80461	177341.2921	17076.92069		1186838.4	1441648.417
15	60391.80461	177341.2921	17076.92069		1186838.4	1441648.417
14	60391.80461	177341.2921	17076.92069		1186838.4	1441648.417
13	60391.80461	177341.2921	17076.92069		1186838.4	1441648.417
12	60391.80461	177341.2921	17076.92069		1186838.4	1441648.417
11	60391.80461	177341.2921	17076.92069		1186838.4	1441648.417
10	64689.11641	210315.6294	17076.92069		1186838.4	1478900.066
9	64689.11641	210315.6294	17076.92069		1186838.4	1478900.066

8	64669.11641	210315.6294	17076.92069	1186838.4	1478900.066
7	64669.11641	210315.6294	17076.92069	1186838.4	1478900.066
6	64669.11641	210315.6294	17076.92069	1186838.4	1478900.066
5	64669.11641	210315.6294	17076.92069	1186838.4	1478900.066
4	64669.11641	210315.6294	17076.92069	1186838.4	1478900.066
3	64669.11641	210315.6294	17076.92069	1186838.4	1478900.066
2	64669.11641	210315.6294	17076.92069	1186838.4	1478900.066
1	64669.11641	210315.6294	17076.92069	1186838.4	1478900.066

T	c	I	R	Wt (Kg)	V (Kg)
2.10	0.20	1.00	6.50	56790.406.91	1747215.16

Lantai	hi (m)	wi (Kg)	hi.wi	Fx,y (Kg)
40	150.00	813718.54	122057780.70	219658.27
39	146.25	1395850.74	204143170.34	75157.28
38	142.50	1395850.74	198908730.08	73230.17
37	138.75	1395850.74	193674289.81	71303.06
36	135.00	1395850.74	188439849.55	69375.95
35	131.25	1395850.74	183205409.28	67448.84
34	127.50	1395850.74	177970969.02	65521.73
33	123.75	1395850.74	172736528.75	63594.62
32	120.00	1395850.74	167502088.49	61667.51
31	116.25	1395850.74	162267648.22	59740.40
30	112.50	1414297.67	159108487.80	58577.32
29	108.75	1414297.67	153804871.54	56624.75
28	105.00	1414297.67	148501255.28	54672.17
27	101.25	1414297.67	143197639.02	52719.59
26	97.50	1414297.67	137894022.76	50767.01
25	93.75	1414297.67	132590406.50	48814.44
24	90.00	1414297.67	127286790.24	46861.86
23	86.25	1414297.67	121983173.98	44909.28
22	82.50	1414297.67	116679557.72	42956.70
21	78.75	1414297.67	111375941.46	41004.13
20	75.00	1507218.62	113041396.35	41617.28
19	71.25	1441648.42	102717449.74	37816.42
18	67.50	1441648.42	97311268.17	35826.08
17	63.75	1441648.42	91905086.61	33835.74
16	60.00	1441648.42	86498905.04	31845.41
15	56.25	1441648.42	81092723.48	29855.07
14	52.50	1441648.42	75686541.91	27864.73
13	48.75	1441648.42	70280360.35	25874.39

12	45.00	1441648.42	64874178.78	23884.05
11	41.25	1441648.42	59467997.22	21893.72
10	37.50	1478900.07	55458752.49	20417.67
9	33.75	1478900.07	49912877.24	18375.91
8	30.00	1478900.07	44367001.99	16334.14
7	26.25	1478900.07	38821126.74	14292.37
6	22.50	1478900.07	33275251.50	12250.60
5	18.75	1478900.07	27729376.25	10208.84
4	15.00	1478900.07	22183501.00	8167.07
3	11.25	1478900.07	16637625.75	6125.30
2	7.50	1478900.07	11091750.50	4083.53
1	3.75	1478900.07	5545875.25	2041.77

Open Frame

Open Frame									
Lantai	Balok				Kolom				
	B1	B2	B3	B4	B. anak	K1	K2	K3	K4
40	W24x176	W24x207	W18x119	W18x130	W12x65	W36x328	W36x393	W36x359	W36x439
39	W24x176	W24x207	W18x119	W18x130	W12x65	W36x328	W36x393	W36x359	W36x439
38	W24x176	W24x207	W18x119	W18x130	W12x65	W36x328	W36x393	W36x359	W36x439
37	W24x176	W24x207	W18x119	W18x130	W12x65	W36x328	W36x393	W36x359	W36x439
36	W24x176	W24x207	W18x119	W18x130	W12x65	W36x328	W36x393	W36x359	W36x439
35	W24x176	W24x207	W18x119	W18x130	W12x65	W36x328	W36x393	W36x359	W36x439
34	W24x176	W24x207	W18x119	W18x130	W12x65	W36x328	W36x393	W36x359	W36x439
33	W24x176	W24x207	W18x119	W18x130	W12x65	W36x328	W36x393	W36x359	W36x439
32	W24x176	W24x207	W18x119	W18x130	W12x65	W36x328	W36x393	W36x359	W36x439
31	W24x176	W24x207	W18x119	W18x130	W12x65	W36x328	W36x393	W36x359	W36x439
30	W24x192	W24x229	W18x119	W18x130	W12x65	W36x359	W36x439	W36x393	W36x527
29	W24x192	W24x229	W18x119	W18x130	W12x65	W36x359	W36x439	W36x393	W36x527
28	W24x192	W24x229	W18x119	W18x130	W12x65	W36x359	W36x439	W36x393	W36x527
27	W24x192	W24x229	W18x119	W18x130	W12x65	W36x359	W36x439	W36x393	W36x527
26	W24x192	W24x229	W18x119	W18x130	W12x65	W36x359	W36x439	W36x393	W36x527
25	W24x192	W24x229	W18x119	W18x130	W12x65	W36x359	W36x439	W36x393	W36x527
24	W24x192	W24x229	W18x119	W18x130	W12x65	W36x359	W36x439	W36x393	W36x527
23	W24x192	W24x229	W18x119	W18x130	W12x65	W36x359	W36x439	W36x393	W36x527
22	W24x192	W24x229	W18x119	W18x130	W12x65	W36x359	W36x439	W36x393	W36x527
21	W24x192	W24x229	W18x119	W18x130	W12x65	W36x359	W36x439	W36x393	W36x527
20	W24x207	W24x250	W18x143	W18x143	W12x65	W36x393	W36x527	W36x439	W36x650
19	W24x207	W24x250	W18x143	W18x143	W12x65	W36x393	W36x527	W36x439	W36x650
18	W24x207	W24x250	W18x143	W18x143	W12x65	W36x393	W36x527	W36x439	W36x650
17	W24x207	W24x250	W18x143	W18x143	W12x65	W36x393	W36x527	W36x439	W36x650

16	W24x207	W24x250	W18x143	W18x143	W12x65	W36x393	W36x527	W36x439	W36x550
15	W24x207	W24x250	W18x143	W18x143	W12x65	W36x393	W36x527	W36x439	W36x550
14	W24x207	W24x250	W18x143	W18x143	W12x65	W36x393	W36x527	W36x439	W36x550
13	W24x207	W24x250	W18x143	W18x143	W12x65	W36x393	W36x527	W36x439	W36x550
12	W24x207	W24x250	W18x143	W18x143	W12x65	W36x393	W36x527	W36x439	W36x550
11	W24x207	W24x250	W18x143	W18x143	W12x65	W36x393	W36x527	W36x439	W36x550
10	W24x229	W24x279	W18x143	W18x143	W12x65	W36x439	W36x650	W36x527	W36x798
9	W24x229	W24x279	W18x143	W18x143	W12x65	W36x439	W36x650	W36x527	W36x798
8	W24x229	W24x279	W18x143	W18x143	W12x65	W36x439	W36x650	W36x527	W36x798
7	W24x229	W24x279	W18x143	W18x143	W12x65	W36x439	W36x650	W36x527	W36x798
6	W24x229	W24x279	W18x143	W18x143	W12x65	W36x439	W36x650	W36x527	W36x798
5	W24x229	W24x279	W18x143	W18x143	W12x65	W36x439	W36x650	W36x527	W36x798
4	W24x229	W24x279	W18x143	W18x143	W12x65	W36x439	W36x650	W36x527	W36x798
3	W24x229	W24x279	W18x143	W18x143	W12x65	W36x439	W36x650	W36x527	W36x798
2	W24x229	W24x279	W18x143	W18x143	W12x65	W36x439	W36x650	W36x527	W36x798
1	W24x229	W24x279	W18x143	W18x143	W12x65	W36x439	W36x650	W36x527	W36x798

Lantai	W Batok (Kg)	W Kolom (Kg)	WD + 0.3 WL (Kg)	Wl (Kg)
40	129160.356	154130.3898	539136	822426.7459
39	129160.356	154130.3898	1186838.4	1470129.146
38	129160.356	154130.3898	1186838.4	1470129.146
37	129160.356	154130.3898	1186838.4	1470129.146
36	129160.356	154130.3898	1186838.4	1470129.146
35	129160.356	154130.3898	1186838.4	1470129.146
34	129160.356	154130.3898	1186838.4	1470129.146
33	129160.356	154130.3898	1186838.4	1470129.146
32	129160.356	154130.3898	1186838.4	1470129.146
31	129160.356	154130.3898	1186838.4	1470129.146
30	135903.7995	177341.2921	1186838.4	1500083.492
29	135903.7995	177341.2921	1186838.4	1500083.492
28	135903.7995	177341.2921	1186838.4	1500083.492
27	135903.7995	177341.2921	1186838.4	1500083.492
26	135903.7995	177341.2921	1186838.4	1500083.492
25	135903.7995	177341.2921	1186838.4	1500083.492
24	135903.7995	177341.2921	1186838.4	1500083.492
23	135903.7995	177341.2921	1186838.4	1500083.492
22	135903.7995	177341.2921	1186838.4	1500083.492
21	135903.7995	177341.2921	1186838.4	1500083.492
20	148654.8946	210315.6294	1186838.4	1545808.924

19	148654.8946	210315.6294	1186838.4	1545808.924
18	148654.8946	210315.6294	1186838.4	1545808.924
17	148654.8946	210315.6294	1186838.4	1545808.924
16	148654.8946	210315.6294	1186838.4	1545808.924
15	148654.8946	210315.6294	1186838.4	1545808.924
14	148654.8946	210315.6294	1186838.4	1545808.924
13	148654.8946	210315.6294	1186838.4	1545808.924
12	148654.8946	210315.6294	1186838.4	1545808.924
11	148654.8946	210315.6294	1186838.4	1545808.924
10	157629.9786	255342.6554	1186838.4	1599811.034
9	157629.9786	255342.6554	1186838.4	1599811.034
8	157629.9786	255342.6554	1186838.4	1599811.034
7	157629.9786	255342.6554	1186838.4	1599811.034
6	157629.9786	255342.6554	1186838.4	1599811.034
5	157629.9786	255342.6554	1186838.4	1599811.034
4	157629.9786	255342.6554	1186838.4	1599811.034
3	157629.9786	255342.6554	1186838.4	1599811.034
2	157629.9786	255342.6554	1186838.4	1599811.034
1	157629.9786	255342.6554	1186838.4	1599811.034

T	c	I	R	Wt (Kg)	V (Kg)
3.64	0.12	1.00	8.50	60510623.55	820681.46

Lantai	hi (m)	wi (Kg)	hi.wi	Fx,y (Kg)
40	150.00	822426.75	123364011.88	102214.26
39	146.25	1470129.15	215006387.58	35111.89
38	142.50	1470129.15	209493403.29	34211.59
37	138.75	1470129.15	203980418.99	33311.28
36	135.00	1470129.15	198467434.69	32410.98
35	131.25	1470129.15	192954450.39	31510.67
34	127.50	1470129.15	187441466.10	30610.37
33	123.75	1470129.15	181928481.80	29710.06
32	120.00	1470129.15	176415497.50	28809.76
31	116.25	1470129.15	170902513.21	27909.45
30	112.50	1500083.49	168759392.81	27559.47
29	108.75	1500083.49	163134079.71	26640.82
28	105.00	1500083.49	157508766.62	25722.17
27	101.25	1500083.49	151883453.53	24803.52
26	97.50	1500083.49	146258140.43	23884.87
25	93.75	1500083.49	140632827.34	22966.22
24	90.00	1500083.49	135007514.24	22047.58

23	86.25	1500083.49	129382201.15	21128.93
22	82.50	1500083.49	123758888.06	20210.28
21	78.75	1500083.49	118131574.96	19291.63
20	75.00	1545808.92	115935669.30	18933.02
19	71.25	1545808.92	110138885.83	17986.37
18	67.50	1545808.92	104342102.37	17039.72
17	63.75	1545808.92	98545318.90	16093.07
16	60.00	1545808.92	92748535.44	15146.42
15	56.25	1545808.92	86951751.97	14199.77
14	52.50	1545808.92	81154968.51	13253.12
13	48.75	1545808.92	75358185.04	12306.47
12	45.00	1545808.92	69561401.58	11359.81
11	41.25	1545808.92	63764618.11	10413.16
10	37.50	1599811.03	59992913.78	9797.22
9	33.75	1599811.03	53993622.40	8817.50
8	30.00	1599811.03	47994331.02	7837.78
7	26.25	1599811.03	41995039.64	6858.05
6	22.50	1599811.03	35995748.27	5878.33
5	18.75	1599811.03	29996456.89	4898.61
4	15.00	1599811.03	23997165.51	3918.89
3	11.25	1599811.03	17997874.13	2939.17
2	7.50	1599811.03	11998582.76	1959.44
1	3.75	1599811.03	5999291.36	979.72

LAMPIRAN A-5

Kontrol Rayleigh Struktur 20 Lt Open Frame

Tingkat	Fx,y	Gaya Geser (V)	Kekakuan Tingkat (K)	Simpangan Tingkat	Total Simpangan (δ)	Wi	Wi.δi2	Fi.δi
	Kg	Kg	Kg/cm	cm	cm	Kg	kg.cm2	kg.cm
20	73333.21	73333.21	1.83E+06	0.0400	2.5486	362233.9375	2352892.754	186899.082
19	44469.47	117802.68	1.83E+06	0.0643	2.5086	829078.3977	5217512.449	111556.764
18	42770.50	160573.18	1.95E+06	0.0822	2.4443	841703.4	5028993.560	104545.500
17	40394.36	200967.54	1.95E+06	0.1029	2.3622	841703.4	4696512.531	95417.704
16	38268.68	239236.22	1.95E+06	0.1224	2.2593	847248.4002	4324715.164	86460.327
15	35852.17	275088.39	2.36E+06	0.1165	2.1369	846664.7168	3865995.158	76610.871
14	33462.03	308550.42	2.36E+06	0.1307	2.0204	846664.7168	3455971.975	67605.438
13	31071.88	339622.31	2.36E+06	0.1438	1.8897	846664.7168	3023414.873	58716.575
12	28863.26	368485.57	2.46E+06	0.1496	1.7459	852023.2348	2597054.147	50391.841
11	26505.07	394990.64	2.46E+06	0.1604	1.5962	853539.2963	2174795.411	42308.381
10	24095.52	419086.16	2.95E+06	0.1420	1.4358	853539.2963	1759660.957	34597.046
9	21685.97	440772.13	3.18E+06	0.1386	1.2939	853539.2963	1428881.977	28058.549
8	19434.32	460206.45	3.18E+06	0.1448	1.1552	860531.3712	1148386.208	22450.710
7	17064.95	477271.40	3.18E+06	0.1501	1.0104	863563.4942	881702.302	17243.242
6	14627.10	491898.50	3.31E+06	0.1486	0.8603	863563.4942	639164.518	12563.964
5	12199.52	504098.03	3.56E+06	0.1418	0.7117	864291.2041	437806.237	8682.680
4	9886.35	513984.37	3.56E+06	0.1446	0.5699	875513.8425	284380.334	5634.483
3	7414.76	521399.13	3.71E+06	0.1407	0.4253	875513.8425	156398.535	3153.850
2	4943.17	526342.30	3.71E+06	0.1420	0.2847	875513.8425	70952.260	1407.205
1	2471.59	528813.89	3.71E+06	0.1427	0.1427	875513.8425	17821.261	352.625
						Σ	43565012.610	1014676.838

Tr	1.32
T	1.554
rasio	1.178286329
Cek	OK

Kontrol Rayleigh Struktur 20 Lt BOF

Tingkat	Fx,y	Gaya Geser (V)	Kekakuan Tingkat (K)	Simpangan Tingkat	Total Simpangan (δ)	Wi	Wi.δi2	Fi.δi
	Kg	Kg	Kg/cm	cm	cm	Kg	kg.cm2	kg.cm
20	130378.23	130378.23	1.31E+07	0.0099	3.3233	384707.9328	4248841.080	433286.113
19	77569.72	207947.96	2.43E+06	0.0855	3.3134	811005.6867	8903532.258	257016.764
18	73487.10	281435.06	2.43E+06	0.1157	3.2279	811005.6867	8450114.356	237208.627
17	69404.49	350839.55	2.43E+06	0.1442	3.1122	811005.6867	7855332.133	216002.053
16	65686.85	416526.40	2.53E+06	0.1644	2.9680	815537.1214	7184180.908	194959.863
15	61655.94	478182.34	3.10E+06	0.1541	2.8036	816523.899	6418065.406	172859.205
14	57545.54	535727.88	3.10E+06	0.1727	2.6495	816523.899	5731741.739	152465.129
13	53435.14	589163.02	3.10E+06	0.1899	2.4768	816523.899	5008909.604	132347.009
12	49659.14	638822.16	3.37E+06	0.1894	2.2869	822059.4186	4299158.816	113563.646
11	45520.88	684343.04	3.37E+06	0.2029	2.0974	822059.4186	3616356.677	95476.096
10	43291.08	727634.12	1.86E+07	0.0391	1.8945	859970.7726	3066429.805	82013.393
9	37244.35	764878.47	3.37E+06	0.2268	1.8554	822059.4186	2829867.541	69102.204
8	33513.77	798392.24	3.66E+06	0.2183	1.6285	832182.3923	2207068.859	54578.541
7	29324.55	827716.78	3.66E+06	0.2263	1.4103	832182.3923	1655127.366	41355.925
6	25135.33	852852.11	3.66E+06	0.2331	1.1840	832182.3923	1166619.059	29760.469
5	20999.34	873851.45	4.32E+06	0.2025	0.9509	834297.2981	754324.496	19967.526
4	17042.24	890893.69	4.84E+06	0.1840	0.7484	846353.7777	474050.268	12754.484
3	12781.68	903675.37	4.84E+06	0.1867	0.5644	846353.7777	269587.851	7213.767
2	8521.12	912196.48	4.84E+06	0.1884	0.3777	846353.7777	120752.804	3218.617
1	4260.56	916457.04	4.84E+06	0.1893	0.1893	846353.7777	30329.035	806.529
						Σ	74310390.061	2325955.962

Tr	1.137500348
T	1.137
rasio	0.999
Cek	OK

Gaya Gempa Setelah dipakai T Raelygh

Lantai	hi (m)	wi (Kg)	hi.wi	Fx,y (Kg)	massa
20	75	361598.89	27119916.47	106023.09	36860.23
19	71.25	812608.63	57896364.82	67941.00	82834.72
18	67.5	812608.63	54851082.46	64365.15	82834.72
17	63.75	812608.63	51803800.10	60789.31	82834.72
16	60	818711.91	49122714.75	57643.19	83456.87
15	56.25	820426.40	46148984.97	54153.65	83631.64
14	52.5	820426.40	43072385.97	50543.41	83631.64
13	48.75	820426.40	39995786.97	46933.17	83631.64
12	45	826242.39	37180907.49	43630.04	84224.50
11	41.25	826242.39	34082498.54	39994.20	84224.50
10	37.5	826242.39	30984089.58	36358.37	84224.50
9	33.75	826242.39	27885680.62	32722.53	84224.50
8	30	835060.18	25051805.37	29397.11	85123.36
7	26.25	835060.18	21920329.69	25722.47	85123.36
6	22.5	835060.18	18788854.02	22047.83	85123.36
5	18.75	837083.36	15695313.05	18417.71	85329.60
4	15	848941.24	12734118.56	14942.89	86538.35
3	11.25	848941.24	9550588.92	11207.16	86538.35
2	7.5	848941.24	6367059.28	7471.44	86538.35
1	3.75	848941.24	3183529.64	3735.72	86538.35
			613437811.3		

Kontrol Rayleigh Struktur 20 Lt Global Brace

Tingkat	Fx,y	Gaya Geser (V)	Kekakuan Tingkat (K)	Simpangan Tingkat	Total Simpangan (δ)	Wi	Wi.δi2	Fi.δi
	Kg	Kg	Kg/cm	cm	cm	Kg	kg.cm2	kg.cm
20.00	106023.09	106023.09	1470416.86	0.07	4.50	361598.89	7323650.12	477145.37
19.00	67941.00	173964.09	1546000.05	0.11	4.43	812608.63	15935031.93	300862.23
18.00	64365.15	238329.24	1546000.05	0.15	4.32	812608.63	15135484.76	277784.67
17.00	60789.31	299119.55	1546000.05	0.19	4.16	812608.63	14073519.95	252980.99
16.00	57643.19	356761.74	1789040.72	0.20	3.97	818711.91	12891444.57	228735.31
15.00	54153.65	410915.39	1943506.64	0.21	3.77	820426.40	11652653.13	204089.36
14.00	50543.41	461456.80	1943506.64	0.24	3.56	820426.40	10381867.75	179797.01
13.00	46933.17	508391.97	1943506.64	0.26	3.32	820426.40	9042211.87	155810.74
12.00	43630.04	552022.01	2237504.40	0.25	3.06	826242.39	7727796.93	133431.91
11.00	39994.20	592016.21	2237504.40	0.26	2.81	826242.39	6531267.27	112445.49
10.00	36358.37	628374.58	2237504.40	0.28	2.55	826242.39	5359825.94	92603.19
9.00	32722.53	661097.11	2237504.40	0.30	2.27	826242.39	4243001.37	74153.17
8.00	29397.11	690494.22	2672618.10	0.26	1.97	835060.18	3242950.01	57931.65
7.00	25722.47	716216.69	2672618.10	0.27	1.71	835060.18	2448425.40	44045.06
6.00	22047.83	738264.52	2764605.81	0.27	1.44	835060.18	1742071.21	31844.91
5.00	18417.71	756682.23	2819162.10	0.27	1.18	837083.36	1160254.42	21683.42
4.00	14942.89	771625.12	3453378.92	0.22	0.91	848941.24	701320.62	13561.70
3.00	11207.16	782832.28	3453378.92	0.23	0.69	848941.24	398887.16	7682.14
2.00	7471.44	790303.73	3453378.92	0.23	0.46	848941.24	178684.63	3427.75
1.00	3735.72	794039.45	3453378.92	0.23	0.23	848941.24	44882.12	858.96
							130215231.38	2670895.02

Tr	1.40
T	1.40
rasio	1.00
Cek	OK

LAMPIRAN A -6

Kontrol Rayligh Struktur 30 Lt Open Frame

Tingkat	Fx,y	Gaya Geser (V)	Kekakuan Tingkat (K)	Simpangan Tingkat	Total Simpangan (δ)	Wl	Wl.δ/2	Fl.δ/1
	Kg	Kg	Kg/cm	cm	cm	Kg	kg.cm2	kg.cm
30	142636	142636	3223746	0.04425	3	750184	9121957	497383
29	57100	199736	4169199	0.04791	3.443	1088471	12901660	196585
28	56033	255770	5313365	0.04814	3.395	1106288	12750439	190229
27	54032	309802	5313365	0.05831	3.347	1106288	12391420	180834
26	52031	361833	5313365	0.06810	3.288	1106288	11963424	171102
25	50030	411863	5313365	0.07751	3.220	1106288	11473070	161115
24	48029	459892	5313365	0.08655	3.143	1106288	10927402	150947
23	46086	505977	5201601	0.09727	3.056	1107689	10346897	140852
22	44082	550060	5201601	0.10575	2.959	1107689	9698753	130440
21	42078	592138	5201601	0.11384	2.853	1107689	9017923	120061
20	40075	632212	5201601	0.12154	2.739	1107689	8312699	109782
19	38166	670378	5201601	0.12888	2.618	1110452	7610376	99914
18	36499	706877	6288370	0.11241	2.489	1120952	6944552	90847
17	34471	741348	6288370	0.11789	2.377	1120952	6331450	81925
16	32444	773792	6288370	0.12305	2.259	1120952	5718886	73281
15	30416	804208	6288370	0.12789	2.136	1120952	5112748	64958
14	28388	832596	6288370	0.13240	2.008	1120952	4518758	56997
13	26652	859248	6926375	0.12405	1.875	1133339	3985999	49982
12	24602	883849	6926375	0.12761	1.751	1133339	3476100	43085
11	22551	906400	6926375	0.13086	1.624	1133339	2987998	36617
10	20501	926902	6926375	0.13382	1.493	1133339	2525776	30605
9	18464	945365	6926375	0.13649	1.359	1134103	2094653	25093
8	16624	961989	8354310	0.11515	1.223	1148744	1716931	20324
7	14546	976535	8354310	0.11689	1.107	1148744	1408734	16108
6	12468	989003	8354310	0.11838	0.991	1148744	1127035	12350
5	10390	999393	8354310	0.11963	0.872	1148744	873734	9061
4	8312	1007705	8354310	0.12062	0.752	1148744	650479	6255
3	5775	1013480	4827000	0.20996	0.632	1064217	424907	3649
2	3850	1017331	4827000	0.21076	0.422	1064217	189444	1624
1	1925	1019256	4827000	0.21116	0.211	1064217	47451	406
		21457577				Σ	176651655	2772411

Tr	1 605595318
T	1 605595318
rasio	1
Cek	OK

Kontrol Rayligh Struktur 30 Lt Belt Truss and Outrigger Frame

Tingkat	Fx,y	Gaya Geser (V)	Kekakuan Tingkat (K)	Simpangan Tingkat	Total Simpangan (δ)	Wl	Wl.δ/2	Fl.δ/1
	Kg	Kg	Kg/cm	cm	cm	Kg	kg.cm2	kg.cm
30	131327.990	131327.990	2545770.554	0.052	3.801	741354.075	10713284.564	499235.866
29	52213.288	183541.278	3416208.511	0.054	3.750	1077391.568	15149657.357	195792.323
28	50998.877	234540.154	4232847.909	0.055	3.696	1089916.207	14889753.308	188498.460
27	49177.488	283717.643	4232847.909	0.067	3.641	1089916.207	14446668.073	179041.470
26	47356.100	331073.742	4232847.909	0.078	3.574	1089916.207	13919622.990	169236.139
25	45534.711	376608.454	4232847.909	0.089	3.495	1089916.207	13316989.048	159165.543
24	43713.323	420321.777	4232847.909	0.099	3.407	1089916.207	12647683.695	148909.623
23	41981.579	462303.355	4341960.479	0.106	3.307	1092248.510	11946577.708	138841.658
22	40156.293	502459.648	4341960.479	0.116	3.201	1092248.510	11189734.599	128529.487
21	38331.007	540790.655	4341960.479	0.125	3.085	1092248.510	10395235.891	118251.503
20	37625.945	578416.600	4341960.479	0.133	2.960	1125765.551	9666567.920	111390.075
19	34750.231	613166.831	4341960.479	0.141	2.827	1094446.714	8748248.170	98247.369
18	33227.613	646394.444	4966705.720	0.130	2.686	1104630.857	7969612.270	89250.191
17	31381.635	677776.078	4966705.720	0.136	2.556	1104630.857	7216021.761	80207.669
16	29535.656	707311.734	4966705.720	0.142	2.419	1104630.857	6466034.686	71459.019
15	27689.678	735001.412	4966705.720	0.148	2.277	1104630.857	5727235.280	63049.526
14	25843.699	760845.111	4966705.720	0.153	2.129	1104630.857	5006984.487	55021.726
13	24006.855	784851.966	4966705.720	0.158	1.976	1105051.316	4314014.090	47433.462
12	22160.174	807012.140	4966705.720	0.162	1.818	1105051.316	3651557.291	40282.925
11	20313.493	827325.632	4966705.720	0.167	1.655	1105051.316	3027944.314	33625.389
10	18501.193	845826.825	4966705.720	0.170	1.489	1107108.695	2453765.027	27543.624
9	16678.910	862505.735	4966705.720	0.174	1.318	1108959.504	1927713.501	21990.296
8	15030.093	877535.828	6057263.133	0.145	1.145	1124248.228	1473381.287	17206.326
7	13151.331	890687.160	6057263.133	0.147	1.000	1124248.228	1124064.692	13150.258
6	11272.570	901959.729	6057263.133	0.149	0.853	1124248.228	817771.256	9614.080
5	9393.808	911353.537	6057263.133	0.150	0.704	1124248.228	557145.379	6612.944

LAMPIRAN A - 7

4	7515.047	918868.584	6057263.133	0.152	0.554	1124248.228	344442.238	4159.669
3	5682.043	924550.627	6926375.069	0.133	0.402	1133375.424	182989.535	2283.131
2	3788.029	928338.656	6926375.069	0.134	0.268	1133375.424	81605.653	1016.451
1	1894.014	930232.670	6926375.069	0.134	0.134	1133375.424	20443.015	254.372
19596645.996				Σ		199592749.087	2719300.573	

Tr	1.723
T	1.723
rasio	1.000
Cek	OK

Kontrol Rayleigh Struktur 40 Lt Open Frame

Tingkat	Fx,y	Gaya Geser (V)	Kekakuan Tingkat (K)	Simpangan Tingkat	Total Simpangan (δ)	Wi	WL5/2	FL5/1
	Kg	Kg	Kg/cm	cm	cm	Kg	kg.cm2	kg.cm
40 (Atap)	189366.277	189366.277	18940878.393	0.010	1.564	813718.538	1990800.383	296195.140
39	64792.707	254158.984	18940878.393	0.013	1.554	1395850.737	3371497.068	100697.347
38	63131.356	317290.340	18940878.393	0.017	1.541	1395850.737	3313529.202	97268.233
37	61470.004	378760.344	18940878.393	0.020	1.524	1395850.737	3241867.975	93678.821
36	59808.653	438568.997	18940878.393	0.023	1.504	1395850.737	3157349.270	89950.968
35	58147.301	496716.299	18940878.393	0.026	1.481	1395850.737	3060879.205	86105.951
34	56485.950	553202.248	18940878.393	0.029	1.455	1395850.737	2953426.292	82164.462
33	54824.598	608026.847	18940878.393	0.032	1.425	1395850.737	2836013.812	78146.609
32	53163.247	661190.094	18940878.393	0.035	1.393	1395850.737	2709712.409	74071.921
31	51501.895	712691.989	18940878.393	0.038	1.358	1395850.737	2575632.888	69959.340
30	50499.214	763191.203	22652791.467	0.034	1.321	1414297.669	2467098.034	66697.171
29	48815.907	812007.110	22652791.467	0.036	1.287	1414297.669	2342838.287	62829.283
28	47132.600	859139.710	22652791.467	0.038	1.251	1414297.669	2214155.800	58973.251
27	45449.293	904589.003	22652791.467	0.040	1.213	1414297.669	2081961.082	55143.334
26	43765.986	948354.989	22652791.467	0.042	1.173	1414297.669	1947170.384	51353.291
25	42082.678	990437.667	22652791.467	0.044	1.131	1414297.669	1810701.397	47616.380
24	40399.371	1030837.038	22652791.467	0.046	1.088	1414297.669	1673469.122	43945.362
23	38716.064	1069553.102	22652791.467	0.047	1.042	1414297.669	1536381.877	40352.493
22	37032.757	1106585.859	22652791.467	0.049	0.995	1414297.669	1400337.479	36849.533
21	35349.450	1141935.309	22652791.467	0.050	0.946	1414297.669	1266219.568	33447.738
20	35878.046	1177813.355	27537469.895	0.043	0.896	1507218.618	1209457.916	32139.272
19	32601.344	1210414.699	27537469.895	0.044	0.853	1441648.417	1049007.663	27809.626
18	30885.483	1241300.183	27537469.895	0.045	0.809	1441648.417	943684.682	24988.384
17	29169.623	1270469.806	27537469.895	0.046	0.764	1441648.417	841459.962	22285.268
16	27453.763	1297923.569	27537469.895	0.047	0.718	1441648.417	742899.779	19707.762
15	25737.903	1323661.472	27537469.895	0.048	0.671	1441648.417	648547.352	17262.923
14	24022.043	1347683.514	27537469.895	0.049	0.623	1441648.417	558920.998	14957.378
13	22306.182	1369989.697	27537469.895	0.050	0.574	1441648.417	474512.392	12797.329
12	20590.322	1390580.019	27537469.895	0.050	0.524	1441648.417	395784.945	10788.551
11	18874.462	1409454.481	27537469.895	0.051	0.473	1441648.417	323172.296	8936.387
10	17601.974	1427056.455	34981943.524	0.041	0.422	1478900.066	263719.680	7432.984
9	15841.776	1442898.231	34981943.524	0.041	0.381	1478900.066	215228.021	6043.435
8	14081.579	1456979.810	34981943.524	0.042	0.340	1478900.066	171202.567	4791.120
7	12321.382	1469301.192	34981943.524	0.042	0.299	1478900.066	131853.498	3679.051
6	10561.184	1479862.376	34981943.524	0.042	0.257	1478900.066	97367.766	2709.885
5	8800.987	1488663.363	34981943.524	0.043	0.214	1478900.066	67908.531	1885.924
4	7040.789	1495704.152	34981943.524	0.043	0.172	1478900.066	43614.675	1209.117
3	5280.592	1500984.745	34981943.524	0.043	0.129	1478900.066	24600.392	681.058
2	3520.395	1504505.139	34981943.524	0.043	0.086	1478900.066	10954.846	302.988
1.000	1760.197	1506265.337	34981943.524	0.043	0.043	1478900.066	2741.915	75.791
42048115.009				Σ		56167681.410	1785931.864	

Tr	1.985
T	1.985
rasio	1
Cek	OK

Kontrol Rayleigh Struktur 40 Lt Belt Truss and Outrigger Frame

Tingkat	Fx,y	Gaya Geser (V)	Kekakuan Tingkat (K)	Simpangan Tingkat	Total Simpangan (δ)	Wi	WL5/2	FL5/1
	Kg	Kg	Kg/cm	cm	cm	Kg	kg.cm2	kg.cm
40 (Atap)	248964.058	248964.058	38056585.799	0.007	2.085	813718.538	3538480.264	519168.026
39.000	85184.414	334148.472	21226416.540	0.016	2.079	1395850.737	6031875.503	177078.907
38.000	83000.198	417148.670	21226416.540	0.020	2.063	1395850.737	5940865.121	171231.825
37.000	80815.982	497964.652	21226416.540	0.023	2.043	1395850.737	5828219.313	165137.501
36.000	78631.767	576596.419	21226416.540	0.027	2.020	1395850.737	5695161.909	158829.651
35.000	76447.551	653043.970	21226416.540	0.031	1.993	1395850.737	5543013.401	152341.087
34.000	74263.335	727307.305	21226416.540	0.034	1.962	1395850.737	5373180.158	145703.727

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33.000	72079.119	799386.424	21226416.540	0.038	1.928	1395850.737	5187143.929	138948.586
32.000	69894.904	869261.328	21226416.540	0.041	1.890	1395850.737	4986451.643	132105.782
31.000	67710.688	936992.016	21226416.540	0.044	1.849	1395850.737	4772705.510	125204.534
30.000	66392.440	1003384.456	22690906.752	0.044	1.805	1414297.669	4607651.821	119836.205
29.000	64179.359	1067563.816	22690906.752	0.047	1.761	1414297.669	4384652.757	113003.674
28.000	61966.278	1129530.093	22690906.752	0.050	1.714	1414297.669	4153462.989	106191.601
27.000	59753.196	1189283.290	22690906.752	0.052	1.664	1414297.669	3915670.757	99424.591
26.000	57540.115	1246823.405	22690906.752	0.055	1.612	1414297.669	3672874.193	92726.387
25.000	55327.034	1302150.438	22690906.752	0.057	1.557	1414297.669	3426673.911	86119.869
24.000	53113.952	1355264.391	22690906.752	0.060	1.499	1414297.669	3178665.887	79627.054
23.000	50900.871	1406165.262	22690906.752	0.062	1.439	1414297.669	2930434.591	73269.093
22.000	48687.790	1454853.051	22690906.752	0.064	1.377	1414297.669	2683546.395	67066.277
21.000	46474.708	1501327.760	22690906.752	0.066	1.313	1414297.669	2439543.255	61038.032
20.000	47169.666	1548497.425	43232989.085	0.036	1.247	1507218.618	2344474.965	58829.814
19.000	42861.712	1591359.137	26402819.825	0.060	1.211	1441648.417	2115529.149	51921.752
18.000	40605.832	1631964.969	26402819.825	0.062	1.151	1441648.417	1910249.350	46741.621
17.000	38349.953	1670314.922	26402819.825	0.063	1.089	1441648.417	1710610.152	41774.444
16.000	36094.073	1706408.995	26402819.825	0.065	1.026	1441648.417	1517686.570	37033.713
15.000	33838.194	1740247.189	26402819.825	0.066	0.961	1441648.417	1332510.266	32532.150
14.000	31582.314	1771829.503	26402819.825	0.067	0.895	1441648.417	1156066.072	28281.705
13.000	29326.434	1801155.937	26402819.825	0.068	0.828	1441648.417	989288.733	24293.557
12.000	27070.555	1828226.492	26402819.825	0.069	0.760	1441648.417	833059.853	20578.115
11.000	24814.675	1853041.168	26402819.825	0.070	0.691	1441648.417	688205.052	17145.014
10.000	23141.706	1876182.874	31287498.254	0.060	0.621	1478900.066	569845.022	14364.958
9.000	20827.536	1897010.410	31287498.254	0.061	0.561	1478900.066	465064.330	11679.520
8.000	18513.365	1915523.775	31287498.254	0.061	0.500	1478900.066	369934.206	9259.301
7.000	16199.195	1931722.969	31287498.254	0.062	0.439	1478900.066	284908.807	7110.120
6.000	13885.024	1945607.993	31287498.254	0.062	0.377	1478900.066	210392.098	5237.113
5.000	11570.853	1957178.847	31287498.254	0.063	0.315	1478900.066	146736.635	3644.729
4.000	9256.683	1966435.529	31287498.254	0.063	0.252	1478900.066	94242.514	2336.735
3.000	6942.512	1973378.041	31287498.254	0.063	0.190	1478900.066	53156.483	1316.210
2.000	4628.341	1978006.382	31287498.254	0.063	0.127	1478900.066	23671.211	585.553
1.000	2314.171	1980320.553	31287498.254	0.063	0.063	1478900.066	5924.724	146.474
		55281592.388				Σ	105111829.499	3198865.008

Tr	1.852
T	1.853
rasio	1.001
Cek	OK

**LAMPIRAN B : PERENCANAAN BALOK STRUKTUR OF ,BOF dan
*GLOBAL BRACE***

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LAMPIRAN B-1

		B1 (QF)										B2 (QF)									
		Momen Kiri					Momen Kanan					Momen Kiri					Momen Kanan				
	Lokasi (m)	1/2D+0.5L		1/2D+0.5L+1.2D		M.D	1/2D+0.5L		1/2D+0.5L+1.2D		M.D	1/2D+0.5L		1/2D+0.5L+1.2D		M.D	1/2D+0.5L		1/2D+0.5L+1.2D		M.D
		Kp-in	Kp-kir	Kp-kir	Kp-kir		Kp-in	Kp-kir	Kp-kir	Kp-kir		Kp-in	Kp-kir	Kp-kir	Kp-kir		Kp-in	Kp-kir	Kp-kir	Kp-kir	
20	Tepi kiri	0	-218.29	4.804	-154.423	611.334	2.35755	2.3	20	Tepi kiri	0	-471.638	-128.268	-362.24	1051.17	2.23095	2.23095				
	1/4 L	59.055	107.732	176.171	98.247					1/4 L	59.055	191.947	277.669	163.801							
	1/2 L	118.11	316.406	251.674	255.052					1/2 L	118.11	630.265	501.303	507.538							
	3/4 L	177.165	-41.403	-131.898	-47.217					3/4 L	177.17	-54.958	-183.783	-57.445							
	Tepi Kanan	236.22	-516.56	-611.334	-445.351					Tepi Kanan	236.22	-965.448	-1051.172	-804.731							
	Tepi kiri	0	-653.924	-137.597	-447.008	1352.376	2.44113	2.3	19	Tepi kiri	0	-1048.556	-170.282	-692.933	2223.69	2.3057	2.3057				
19	1/4 L	59.055	220.077	374.399	221.671					1/4 L	59.055	404.291	636.131	377.011							
	1/2 L	118.11	691.516	537.539	541.493					1/2 L	118.11	1259.761	952.576	956.989							
	3/4 L	177.165	-39.24	-232.99	-72.353					3/4 L	177.17	-81.413	-390.571	-122.627							
	Tepi Kanan	236.22	-1172.557	-1352.376	-1035.057					Tepi Kanan	236.22	-2019.965	-2223.685	-1692.209							
	Tepi kiri	0	-550.103	199.464	-258.655	1712.567	2.62877	2.3	18	Tepi kiri	0	-926.035	230.661	-469.09	2677.68	2.4697	2.4697				
	1/4 L	59.055	271.685	539.279	314.434					1/4 L	59.055	458.481	826.003	481.567							
18	1/2 L	118.11	689.491	528.817	537.245					1/2 L	118.11	1243.843	929.601	940.48							
	3/4 L	177.165	-96.319	-416.736	-175.035					3/4 L	177.17	-169.216	-628.17	-261.976							
	Tepi Kanan	236.22	-1286.112	-1712.567	-1237.593					Tepi Kanan	236.22	-2181.428	-2677.684	-1956.175							
	Tepi kiri	0	-548.954	354.848	-170.78	1870.781	2.7378	2.3	17	Tepi kiri	0	-915.125	462.335	-345.981	2930.26	2.57833	2.57833				
	1/4 L	59.055	271.792	616.264	357.738					1/4 L	59.055	458.603	936.615	538.929							
	1/2 L	118.11	688.556	527.402	535.978					1/2 L	118.11	1233.178	919.152	932.095							
17	3/4 L	177.165	-98.297	-496.551	-220.873					3/4 L	177.17	-190.669	-759.681	-336.108							
	Tepi Kanan	236.22	-1289.132	-1870.781	-1328.001					Tepi Kanan	236.22	-2213.669	-2930.257	-2096.054							
	Tepi kiri	0	-505.59	640.056	-9.669	2171.859	2.87616	2.3	16	Tepi kiri	0	-816.803	941.497	-89.096	3423.26	2.71863	2.71863				
	1/4 L	59.055	295.847	757.921	439.034					1/4 L	59.055	510.547	1172.913	667.161							
	1/2 L	118.11	691.287	523.494	535.445					1/2 L	118.11	1238.626	912.467	931.556							
	3/4 L	177.165	-118.902	-648.037	-305.248					3/4 L	177.17	-231.835	-1009.467	-465.537							
16	Tepi Kanan	236.22	-1335.088	-2171.859	-1498.232					Tepi Kanan	236.22	-2301.568	-3423.263	-2354.491							
	Tepi kiri	0	-511.285	796.646	82.195	2331.118	2.96763	2.3	15	Tepi kiri	0	-829.636	1173.854	32.699	3661.82	2.80904	2.80904				
	1/4 L	59.055	292.418	835.548	484.206					1/4 L	59.055	502.691	1287.541	726.526							
	1/2 L	118.11	690.124	522.159	533.927					1/2 L	118.11	1235.746	909.366	928.49							
	3/4 L	177.165	-117.799	-728.334	-353.457					3/4 L	177.17	-229.738	-1130.297	-531.033							
	Tepi Kanan	236.22	-1331.718	-2331.118	-1593.132					Tepi Kanan	236.22	-2294.494	-3661.822	-2482.418							
15	Tepi kiri	0	-527.921	946.748	169.147	2486.112	3.05967	2.3	14	Tepi kiri	0	-860.197	1396.039	146.426	3891.48	2.89929	2.89929				
	1/4 L	59.055	284.225	909.376	527.006					1/4 L	59.055	487.613	1396.766	782.454							
	1/2 L	118.11	690.375	519.713	532.575					1/2 L	118.11	1236.152	905.63	926.62							
	3/4 L	177.165	-109.105	-807.054	-398.961					3/4 L	177.17	-213.849	-1246.992	-590.703							

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13	Tepi Kanan	236.22	-1314.581	-2486.112	-1682.788	2604.783	3.13022	2.3	13	Tepi Kiri	236.22	-2263.121	-3891.477	-2599.887	4067.38	2.96962	2.3
	Tepi kiri	0	-545.236	1083.259	244.485					Tepi kiri	0	-892.445	1568.306	243.887			
	1/4 L	59.055	275.691	967.092	584.278					1/4 L	59.055	471.518	1481.992	830.537			
	1/2 L	118.11	690.621	518.633	531.78					1/2 L	118.11	1236.21	903.815	925.325			
	3/4 L	177.165	-100.079	-866.93	-437.822					3/4 L	177.17	-197.638	-1335.849	-641.375			
12	Tepi Kanan	236.22	-1296.775	-2604.783	-1759.716	2905.212	3.22814	2.3	12	Tepi Kanan	236.22	-2230.758	-4067.375	-2699.936	4512.77	3.06675	2.3
	Tepi kiri	0	-517.326	1346.314	423.284					Tepi kiri	0	-845.242	1988.134	489.42			
	1/4 L	59.055	291.706	1106.941	653.65					1/4 L	59.055	498.234	1689.067	953.353			
	1/2 L	118.11	692.966	513.499	529.948					1/2 L	118.11	1240.069	895.77	923.056			
	3/4 L	177.165	-113.181	-1018.822	-532.634					3/4 L	177.17	-219.004	-1561.383	-771.098			
11	Tepi Kanan	236.22	-1327.1	-2905.212	-1949.284	3000.139	3.28074	2.3	11	Tepi Kanan	236.22	-2279.718	-4512.767	-2959.483	4845.43	3.12033	2.3
	Tepi kiri	0	-535.634	1442.089	498.86					Tepi kiri	0	-883.234	2120.178	581.059			
	1/4 L	59.055	282.02	1155.04	691.051					1/4 L	59.055	478.194	1754.936	998.276			
	1/2 L	118.11	691.901	513.923	529.175					1/2 L	118.11	1237.981	895.463	921.263			
	3/4 L	177.165	-105.624	-1066.074	-571.582					3/4 L	177.17	-203.14	-1627.867	-819.607			
10	Tepi Kanan	236.22	-1310.922	-3000.139	-2026.406	3094.612	3.34006	2.3	10	Tepi Kanan	236.22	-2245.901	-4845.427	-3054.708	4780.71	3.18086	2.3
	Tepi kiri	0	-564.271	1533.086	572.647					Tepi kiri	0	-936.83	2249.437	671.173			
	1/4 L	59.055	267.836	1199.669	727.283					1/4 L	59.055	451.436	1818.058	1042.259			
	1/2 L	118.11	692.17	512.185	527.851					1/2 L	118.11	1238.061	892.448	919.114			
	3/4 L	177.165	-90.902	-1114.179	-610.461					3/4 L	177.17	-176.223	-1697.018	-867.888			
9	Tepi Kanan	236.22	-1281.747	-3094.612	-2102.84	3141.473	3.38336	2.3	9	Tepi Kanan	236.22	-2192.147	-4780.714	-3149.12	4854.67	3.22789	2.3
	Tepi kiri	0	-595.106	1578.551	628.019					Tepi kiri	0	-994.347	2322.277	740.331			
	1/4 L	59.055	252.556	1222.053	754.518					1/4 L	59.055	422.852	1854.199	1076.344			
	1/2 L	118.11	692.445	511.487	526.95					1/2 L	118.11	1238.411	891.89	918.126			
	3/4 L	177.165	-75.073	-1137.959	-639.499					3/4 L	177.17	-146.939	-1734.275	-903.949			
8	Tepi Kanan	236.22	-1250.363	-3141.473	-2160.016	3184.969	3.41641	2.3	8	Tepi Kanan	236.22	-2133.929	-4854.671	-3220.255	5306.37	3.31734	2.3
	Tepi kiri	0	-616.827	1620.937	693.419					Tepi kiri	0	-977.45	2746.146	1027.342			
	1/4 L	59.055	241.858	1243.857	787.29					1/4 L	59.055	433.566	2062.373	1218.492			
	1/2 L	118.11	692.177	512.117	526.502					1/2 L	118.11	1240.809	882.238	913.28			
	3/4 L	177.165	-65.501	-1159.096	-673.76					3/4 L	177.17	-154.987	-1963.886	-1057.921			
7	Tepi Kanan	236.22	-1231.545	-3184.969	-2228.681	3191.744	3.44508	2.3	7	Tepi Kanan	236.22	-2154.556	-5306.373	-3525.485	5348.01	3.35488	2.3
	Tepi kiri	0	-646.3	1630.672	736.718					Tepi kiri	0	-1033.981	2795.524	1100.891			
	1/4 L	59.055	226.653	1249.464	808.867					1/4 L	59.055	403.759	2088.997	1255.145			
	1/2 L	118.11	691.241	513.597	526.356					1/2 L	118.11	1237.726	886.108	913.036			
	3/4 L	177.165	-52.169	-1161.744	-695.628					3/4 L	177.17	-131.347	-1982.77	-1095.061			
6	Tepi Kanan	236.22	-1203.944	-3191.744	-2272.272	3222.736	3.4888	2.3	6	Tepi Kanan	236.22	-2104.192	-5348.01	-3599.52	5383.94	3.40165	2.3
	Tepi kiri	0	-683.581	1659.957	789.029					Tepi kiri	0	-1111.439	2827.749	1162.396			
	1/4 L	59.055	208.156	1263.68	834.506					1/4 L	59.055	365.335	2104.184	1284.985			
	1/2 L	118.11	691.528	512.743	525.324					1/2 L	118.11	1238.336	884.256	911.212			
	3/4 L	177.165	-33.098	-1177.667	-723.33					3/4 L	177.17	-91.703	-2001.66	-1128.549			

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5	Tepi Kanan	236.22	-1166.09	-3222.736	-2326.645	3205.664	3.51925	2.3	5	Tepi Kanan	236.22	-2025.514	-5383.938	-3664.672	5349.75	3.437	2.3
	Tepi kiri	0	-722.975	1644.775	818.172					Tepi kiri	0	-1192.283	2795.5	1193.125			
	1/4 L	59.055	188.62	1256.562	849.08					1/4 L	59.055	324.985	2088.544	1300.041			
	1/2 L	118.11	691.85	513.688	525.328					1/2 L	118.11	1238.48	885.225	910.594			
	3/4 L	177.165	-12.919	-1168.658	-737.897					3/4 L	177.17	-51.064	-1984.082	-1144.841			
4	Tepi Kanan	236.22	-1126.052	-3205.664	-2355.781	3359.992	3.58458	2.3	4	Tepi Kanan	236.22	-1944.382	-5349.752	-3696.639	5645.71	3.5158	2.3
	Tepi kiri	0	-745.996	1784.695	959.229					Tepi kiri	0	-1240.456	3070.885	1424.447			
	1/4 L	59.055	179.16	1325.762	919.397					1/4 L	59.055	304.505	2225.179	1415.9			
	1/2 L	118.11	694.056	510.274	523.01					1/2 L	118.11	1242.969	880.386	908.266			
	3/4 L	177.165	-0.941	-1246.582	-814.744					3/4 L	177.17	-24.33	-2133.118	-1268.08			
3	Tepi Kanan	236.22	-1106.198	-3359.992	-2509.053	3264.901	3.56001	2.3	3	Tepi Kanan	236.22	-1898.127	-5645.71	-3943.512	5483.21	3.51325	2.3
	Tepi kiri	0	-793.674	1694.509	940.968					Tepi kiri	0	-1327.503	2926.528	1394.658			
	1/4 L	59.055	154.854	1281.895	910.55					1/4 L	59.055	260.411	2157.537	1402.766			
	1/2 L	118.11	693.123	512.726	523.577					1/2 L	118.11	1241.828	889.46	911.787			
	3/4 L	177.165	21.498	-1197.81	-804.764					3/4 L	177.17	17.482	-2047.33	-1247.904			
2	Tepi Kanan	236.22	-1060.386	-3264.901	-2489.659	3080.602	3.50116	2.3	2	Tepi Kanan	236.22	-1813.362	-5483.206	-3906.681	5168.91	3.45306	2.3
	Tepi kiri	0	-847.923	1513.136	849.007					Tepi kiri	0	-1425.69	2615.239	1246.353			
	1/4 L	59.055	127.503	1191.94	864.661					1/4 L	59.055	210.721	2002.645	1328.367			
	1/2 L	118.11	692.669	514.19	523.761					1/2 L	118.11	1240.635	890.964	911.295			
	3/4 L	177.165	47.943	-1104.929	-758.508					3/4 L	177.17	64.786	-1889.429	-1174.49			
1	Tepi Kanan	236.22	-1007.044	-3080.602	-2397.331	2507.568	3.26327	2.3	1	Tepi Kanan	236.22	-1717.561	-5168.909	-3759.361	4188.4	3.20632	2.3
	Tepi kiri	0	-911.624	956.281	471.325					Tepi kiri	0	-1541.208	1663.076	656.517			
	1/4 L	59.055	97.619	917.557	678.851					1/4 L	59.055	156.394	1533.651	1038.424			
	1/2 L	118.11	696.602	522.279	529.823					1/2 L	118.11	1247.499	905.139	921.243			
	3/4 L	177.165	85.692	-814.367	-560.573					3/4 L	177.17	132.841	-1392.086	-864.649			
	Tepi Kanan	236.22	-935.478	-2507.568	-2007.523					Tepi Kanan	236.22	-1588.314	-4188.397	-3149.628			

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12	Tepi kiri	0	-628.345	-610.793	-522.292	628.3	2.604	2.3	12	Tepi kiri	0	-996.702	-833.08	-784.84	996.702	2.662	2.3
	1/4 L	59.055	58.373	7.021	51.428					1/4 L	59.055	89.192	50.931	75.146			
	1/2 L	118.11	316.473	263.347	263.66					1/2 L	118.11	505.892	400.009	400.2			
	3/4 L	177.165	98.108	123.768	79.986					3/4 L	177.17	157.706	145.318	121.484			
	Tepi Kanan	236.22	-548.875	-377.299	-465.175					Tepi Kanan	236.22	-859.675	-644.306	-692.164			
11	Tepi kiri	0	-626.248	-612.758	-520.856	626.2	2.602	2.3	11	Tepi kiri	0	-992.894	-832.495	-782.202	992.894	2.659	2.3
	1/4 L	59.055	59.265	5.908	52.015					1/4 L	59.055	90.835	51.015	76.258			
	1/2 L	118.11	316.16	263.087	263.4					1/2 L	118.11	505.369	399.592	399.786			
	3/4 L	177.165	96.591	124.361	78.878					3/4 L	177.17	155.017	144.4	119.544			
	Tepi Kanan	236.22	-551.596	-375.854	-467.131					Tepi Kanan	236.22	-864.53	-645.724	-695.63			
10	Tepi kiri	0	-622.281	-614.167	-517.902	622.3	2.594	2.3	10	Tepi kiri	0	-985.93	-830.069	-777.13	985.93	2.65	2.3
	1/4 L	59.055	61.274	5.218	53.514					1/4 L	59.055	94.359	52.256	78.828			
	1/2 L	118.11	316.211	263.116	263.443					1/2 L	118.11	505.453	399.65	399.854			
	3/4 L	177.165	94.685	125.107	77.466					3/4 L	177.17	151.561	143.273	117.109			
	Tepi Kanan	236.22	-555.461	-374.388	-469.998					Tepi Kanan	236.22	-871.326	-648.036	-700.568			
9	Tepi kiri	0	-617.922	-613.937	-514.654	617.9	2.585	2.3	9	Tepi kiri	0	-978.24	-826.364	-771.533	978.24	2.64	2.3
	1/4 L	59.055	63.478	5.342	55.159					1/4 L	59.055	96.246	54.136	81.661			
	1/2 L	118.11	316.26	263.133	263.485					1/2 L	118.11	505.538	399.704	399.922			
	3/4 L	177.165	92.578	125.018	75.904					3/4 L	177.17	147.944	141.501	114.414			
	Tepi Kanan	236.22	-559.723	-374.584	-473.163					Tepi Kanan	236.22	-878.845	-651.634	-706.027			
8	Tepi kiri	0	-614.659	-612.391	-512.347	614.7	2.58	2.3	8	Tepi kiri	0	-972.402	-822.883	-767.438	972.402	2.635	2.3
	1/4 L	59.055	64.955	6.015	56.183					1/4 L	59.055	100.898	55.679	83.496			
	1/2 L	118.11	315.951	262.933	263.226					1/2 L	118.11	505.002	399.31	399.497			
	3/4 L	177.165	90.482	123.946	74.363					3/4 L	177.17	144.221	139.171	111.729			
	Tepi Kanan	236.22	-563.605	-376.529	-475.998					Tepi Kanan	236.22	-885.755	-655.901	-710.972			
7	Tepi kiri	0	-612.279	-611.798	-510.843	612.3	2.576	2.3	7	Tepi kiri	0	-967.703	-820.415	-764.294	967.703	2.631	2.3
	1/4 L	59.055	66.008	6.223	56.82					1/4 L	59.055	103.009	56.738	84.879			
	1/2 L	118.11	315.676	262.756	262.996					1/2 L	118.11	504.526	398.959	399.119			
	3/4 L	177.165	88.86	123.383	73.266					3/4 L	177.17	141.157	137.41	109.59			
	Tepi Kanan	236.22	-566.534	-377.478	-477.951					Tepi Kanan	236.22	-891.406	-659.071	-714.872			
6	Tepi kiri	0	-608.316	-610.588	-508.027	610.6	2.573	2.3	6	Tepi kiri	0	-960.184	-816.222	-758.979	960.184	2.621	2.3
	1/4 L	59.055	68.01	6.836	58.246					1/4 L	59.055	106.807	58.861	87.568			
	1/2 L	118.11	315.717	262.774	263.032					1/2 L	118.11	504.603	399.012	399.182			
	3/4 L	177.165	86.961	122.805	71.912					3/4 L	177.17	137.514	135.393	107.027			
	Tepi Kanan	236.22	-570.414	-378.651	-480.695					Tepi Kanan	236.22	-898.77	-663.158	-720.06			
5	Tepi kiri	0	-604.043	-606.894	-504.952	606.9	2.565	2.3	5	Tepi kiri	0	-952.186	-810.452	-753.334	952.186	2.61	2.3
	1/4 L	59.055	70.173	8.708	59.806					1/4 L	59.055	110.835	61.769	90.415			
	1/2 L	118.11	315.769	262.823	263.077					1/2 L	118.11	504.662	399.059	399.231			
	3/4 L	177.165	84.902	121.031	70.442					3/4 L	177.17	133.603	132.578	104.276			
	Tepi Kanan	236.22	-574.584	-382.248	-483.681					Tepi Kanan	236.22	-906.651	-668.835	-725.61			
4	Tepi kiri	0	-600.89	-600.855	-502.813	600.9	2.555	2.3	4	Tepi kiri	0	-945.486	-803.91	-748.765	945.486	2.603	2.3
	1/4 L	59.055	71.592	11.604	60.744					1/4 L	59.055	113.974	64.884	92.532			
	1/2 L	118.11	315.455	262.576	262.815					1/2 L	118.11	504.239	398.746	398.896			
	3/4 L	177.165	82.854	117.642	68.979					3/4 L	177.17	129.619	128.838	101.49			
	Tepi Kanan	236.22	-578.365	-388.779	-486.345					Tepi Kanan	236.22	-914.197	-676.002	-730.848			
3	Tepi kiri	0	-596.617	-593.16	-499.565	596.6	2.547	2.3	3	Tepi kiri	0	-938.89	-797.253	-744.302	938.89	2.596	2.3

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Urut	Lokasi (A)	ES (OF)				M6	C6	No panel	Lokasi (B)	BAG (OF)				M6	Dr	Ch. pake	
		Momen tahanan															
		1.20+1.00 Kg m	1.20+0.50+E Kg m	2.0+0.50+E Kg m	2.0+0.50+E Kg m					1.20+1.00 Kg m	1.20+0.50+E Kg m	2.0+0.50+E Kg m					
20	Tepi kiri	0	-234.264	-216.763	-186.791	234.3	2.58	2.3	20	Tepi kiri	0	-452.213	-370.216	-354.626	452.213	2.641	2.3
	1/4 L	59.055	12.249	-3.891	11.36				1/4 L	59.055	24.709	16.732	24.707				
	1/2 L	118.11	116.533	93.607	94.136				1/2 L	118.11	224.884	180.638	181				
	3/4 L	177.165	51.956	54.465	40.273				3/4 L	177.17	95.047	78.978	71.726				
	Tepi Kanan	236.22	-154.849	-100.051	-128.965				Tepi Kanan	236.22	-311.536	-245.723	-260.589				
	Tepi kiri	0	-622.338	-557.844	-515.71	622.3	2.557	2.3	19	Tepi kiri	0	-999.763	-807.413	-785.775	999.763	2.643	2.3
19	1/4 L	59.055	63.874	35.519	56.848				1/4 L	59.055	90.127	65.751	76.622				
	1/2 L	118.11	321.467	267.394	267.919				1/2 L	118.11	510.822	403.983	404.088				
	3/4 L	177.165	102.597	103.363	83.083				3/4 L	177.17	166.631	138.446	127.783				
	Tepi Kanan	236.22	-544.893	-422.155	-463.239				Tepi Kanan	236.22	-846.754	-662.024	-683.454				
	Tepi kiri	0	-636.169	-577.646	-527.603	636.2	2.613	2.3	18	Tepi kiri	0	-1011.16	-820.733	-794.827	1011.16	2.673	2.3
	1/4 L	59.055	54.858	23.934	49.099				1/4 L	59.055	82.688	57.713	70.727				
18	1/2 L	118.11	317.267	264.027	264.313				1/2 L	118.11	507.342	401.227	401.349				
	3/4 L	177.165	103.212	108.214	83.621				3/4 L	177.17	167.11	140.971	128.2				
	Tepi Kanan	236.22	-539.462	-409.086	-458.559	635.2	2.609	2.3	17	Tepi Kanan	236.22	-842.317	-654.218	-679.88	1009.297	2.67	2.3
	Tepi kiri	0	-635.197	-584.701	-526.788				Tepi kiri	0	-1009.297	-823.814	-793.448				
	1/4 L	59.055	55.45	20.528	49.6				1/4 L	59.055	83.692	56.222	71.471				
	1/2 L	118.11	317.479	264.271	264.5				1/2 L	118.11	507.486	401.326	401.458				
17	3/4 L	177.165	103.043	112.107	83.495				3/4 L	177.17	166.395	142.661	127.675				
	Tepi Kanan	236.22	-540.011	-401.544	-458.998	635.3	2.613	2.3	16	Tepi Kanan	236.22	-843.892	-650.937	-681.04	1009.341	2.673	2.3
	Tepi kiri	0	-635.253	-592.133	-527.012				Tepi kiri	0	-1009.341	-828.21	-793.651				
	1/4 L	59.055	55.207	16.616	49.306				1/4 L	59.055	83.351	53.764	71.118				
	1/2 L	118.11	317.048	263.878	264.138				1/2 L	118.11	506.847	400.806	400.954				
	3/4 L	177.165	102.425	115.235	83.063				3/4 L	177.17	165.457	144.078	127.02				
16	Tepi Kanan	236.22	-540.817	-394.897	-459.499	635	2.615	2.3	15	Tepi Kanan	236.22	-845.127	-647.582	-681.847	1008.567	2.675	2.3
	Tepi kiri	0	-635.008	-599.096	-526.988				Tepi kiri	0	-1008.567	-831.845	-793.237				
	1/4 L	59.055	55.155	12.989	49.173				1/4 L	59.055	83.453	51.718	71.099				
	1/2 L	118.11	316.699	263.587	263.847				1/2 L	118.11	506.278	400.349	400.504				
	3/4 L	177.165	101.779	118.278	82.615				3/4 L	177.17	164.218	145.209	126.138				
	Tepi Kanan	236.22	-541.759	-388.517	-460.105	632.6	2.61	2.3	14	Tepi Kanan	236.22	-847.037	-644.862	-683.16	1004.357	2.669	2.3
15	Tepi kiri	0	-632.608	-604.835	-525.232				14	Tepi kiri	0	-1004.357	-833.171	-790.184			
	1/4 L	59.055	56.385	10.129	50.077				1/4 L	59.055	85.607	51.084	72.665				
	1/2 L	118.11	316.76	263.605	263.899				1/2 L	118.11	506.376	400.407	400.581				
	3/4 L	177.165	100.671	121.176	81.814				3/4 L	177.17	162.259	145.96	124.728				
	Tepi Kanan	236.22	-544.037	-382.741	-461.757	629.9	2.604	2.3	13	Tepi Kanan	236.22	-851.053	-643.42	-686.057	999.5	2.663	2.3
	Tepi kiri	0	-629.857	-608.49	-523.226				Tepi kiri	0	-999.5	-832.988	-786.676				
14	1/4 L	59.055	57.79	8.315	51.105				1/4 L	59.055	88.085	51.208	74.458				
	1/2 L	118.11	316.819	263.634	263.948				1/2 L	118.11	506.474	400.472	400.66				
	3/4 L	177.165	99.383	123.046	80.886				3/4 L	177.17	159.978	145.966	123.092				
	Tepi Kanan	236.22	-546.671	-379.029	-463.664				Tepi Kanan	236.22	-855.713	-643.473	-689.408				
	Tepi kiri	0	-629.857	-608.49	-523.226				Tepi kiri	0	-999.5	-832.988	-786.676				
	1/4 L	59.055	57.79	8.315	51.105				1/4 L	59.055	88.085	51.208	74.458				

[illegible]

Tabel Distribusi momen Balok Struktur BOF

Lantai	Lokasi (in)	Momen kombinasi					Mub	Cb	Cb pakai	Lantai	Lokasi (in)	Momen kombinasi					Mub	Cb	Cb pakai
		B1				B2													
		1,2D+1,6L	1,2D+0,5L+E	1,2D+0,5L+1,3W	Kip-in	Kip-in						1,2D+1,6L	1,2D+0,5L+E	1,2D+0,5L+1,3W	Kip-in	Kip-in			
20	Tepi kiri	0	-341.935	-283.585	-292.705	387.936	1.97174	1.97174	20	Tepi kiri	0	-690.712	-566.308	-573.471	736.248	1.9081	1.90806		
	1/4 L	59.06	47.154	35.347	30.754				1/4 L	59.06	84.942	65.327	61.861						
	1/2 L	118.1	318.896	258.413	258.348				1/2 L	118.1	635.328	514.658	514.89						
	3/4 L	177.2	24.153	22.405	26.868				3/4 L	177.2	62.173	55.27	59.199						
	Tepi Kanan	236.2	-387.936	-309.468	-300.477				Tepi Kanan	236.2	-736.248	-586.422	-578.796						
19	Tepi kiri	0	-865.979	-648.698	-623.514	953.526	2.09214	2.09214	19	Tepi kiri	0	-1457.983	-1029.066	-988.656	1614.85	2.0163	2.01632		
	1/4 L	59.06	113.128	120.665	133.245				1/4 L	59.06	197.433	207.783	227.933						
	1/2 L	118.1	691.451	542.948	542.924				1/2 L	118.1	1256.182	955.376	955.265						
	3/4 L	177.2	69.355	33.339	20.71				3/4 L	177.2	118.997	44.087	23.716						
	Tepi Kanan	236.2	-953.526	-823.351	-848.585	998.64	2.15875	2.15875	18	Tepi Kanan	236.2	-1614.854	-1356.459	-1397.09	1674.65	2.0871	2.08712		
18	Tepi kiri	0	-832.371	-562.072	-489.529				18	Tepi kiri	0	-1424.374	-909.473	-808.172					
	1/4 L	59.06	129.72	163.568	199.232				1/4 L	59.06	207.689	262.735	313.306						
	1/2 L	118.1	689.251	540.352	539.137				1/2 L	118.1	1243.086	945.687	945.529						
	3/4 L	177.2	46.586	-16.534	-54.629				3/4 L	177.2	82.549	-30.243	-81.132						
	Tepi Kanan	236.2	-998.64	-922.277	-997.25	1036.98	2.30899	2.3	17	Tepi Kanan	236.2	-1674.654	-1495.43	-1597.048	1676.84	2.0869	2.08694		
17	Tepi kiri	0	-831.278	-552.859	-454.356				17	Tepi kiri	0	-1420.486	-883.055	-746.386					
	1/4 L	59.06	130.027	167.372	215.679				1/4 L	59.06	210.059	276.226	344.452						
	1/2 L	118.1	688.772	538.747	536.856				1/2 L	118.1	1243.937	946.251	946.035						
	3/4 L	177.2	45.321	-23.548	-75.635				3/4 L	177.2	81.881	-42.605	-111.265						
	Tepi Kanan	236.2	-1000.692	-934.699	-1036.983	1173.82	2.30391	2.3	16	Tepi Kanan	236.2	-1676.841	-1520.719	-1657.822	1749.52	2.2384	2.23845		
16	Tepi kiri	0	-800.453	-477.802	-320.137				16	Tepi kiri	0	-1404.31	-840.061	-665.014					
	1/4 L	59.06	148.96	207.196	284.265				1/4 L	59.06	216.697	296.455	383.622						
	1/2 L	118.1	694.389	541.916	538.389				1/2 L	118.1	1240.326	943.003	942.292						
	3/4 L	177.2	36.203	-58.455	-142.577				3/4 L	177.2	67.312	-70.041	-158.632						
	Tepi Kanan	236.2	-1025.967	-1009.103	-1173.821	1204.93	2.30322	2.3	15	Tepi Kanan	236.2	-1703.08	-1573.052	-1749.522	1791.35	2.2449	2.24491		
15	Tepi kiri	0	-798.554	-471.539	-289.128				15	Tepi kiri	0	-1398.191	-830.137	-630.416					
	1/4 L	59.06	149.35	210.211	299.744				1/4 L	59.06	217.69	299.703	399.114						
	1/2 L	118.1	693.272	541.683	538.337				1/2 L	118.1	1236.194	939.577	938.678						
	3/4 L	177.2	33.577	-61.936	-158.16				3/4 L	177.2	58.055	-80.142	-181.352						
	Tepi Kanan	236.2	-1030.101	-1015.832	-1204.934	1216.6	2.30396	2.3	14	Tepi Kanan	236.2	-1717.463	-1589.829	-1791.349	1807.55	2.2443	2.24431		
14	Tepi kiri	0	-805.768	-481.12	-278.306				14	Tepi kiri	0	-1404.781	-836.021	-613.128					
	1/4 L	59.06	145.797	205.444	304.943				1/4 L	59.06	214.801	297.089	408.03						
	1/2 L	118.1	693.38	541.729	537.914				1/2 L	118.1	1237.006	940.232	939.221						
	3/4 L	177.2	37.346	-57.076	-164.206				3/4 L	177.2	62.567	-76.217	-189.181						
	Tepi Kanan	236.2	-1022.671	-1006.159	-1216.603	1239.44	2.30444	2.3	13	Tepi Kanan	236.2	-1709.249	-1582.633	-1807.55	1840.94	2.2446	2.24463		
13	Tepi kiri	0	-816.156	-484.232	-256.352				13	Tepi kiri	0	-1411.292	-830.476	-579.487					
	1/4 L	59.06	140.671	203.888	315.698				1/4 L	59.06	211.759	299.99	424.913						
	1/2 L	118.1	693.516	541.73	537.471				1/2 L	118.1	1237.433	940.489	939.345						

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12	3/4 L	177.2	42.745	-55.519	-175.848					3/4 L	177.2	66.463	-78.605	-205.815			
	Tepi Kanan	236.2	-1012.009	-1003.045	-1239.443	1310.23	2.30485	2.3	12	Tepi Kanan	236.2	-1701.885	-1587.666	-1840.942	1951.6	2.2456	
	Tepi kiri	0	-817.818	-464.69	-190.436					Tepi kiri	0	-1396.037	-780.104	-472.004			
	1/4 L	59.06	141.542	214.945	349.392					1/4 L	59.06	221.903	327.288	480.526			
	1/2 L	118.1	695.616	543	537.639					1/2 L	118.1	1240.689	942.937	941.313			
	3/4 L	177.2	44.771	-65.338	-210.506					3/4 L	177.2	61.054	-102.784	-259.27			
	Tepi Kanan	236.2	-1011.359	-1025.257	-1310.233	1331.13	2.30895	2.3	11	Tepi Kanan	236.2	-1717.735	-1640.249	-1951.596			
	Tepi kiri	0	-832.146	-462.777	-173.653					Tepi kiri	0	-1403.265	-769.081	-439.41	1989.05	2.2495	
	1/4 L	59.06	133.743	215.177	356.755					1/4 L	59.06	217.213	331.783	495.607			
	1/2 L	118.1	694.347	541.55	535.583					1/2 L	118.1	1238.538	940.904	938.881			
	3/4 L	177.2	50.031	-68.47	-221.983					3/4 L	177.2	61.441	-111.345	-279.215			
	Tepi Kanan	236.2	-999.57	-1030.071	-1331.129					Tepi Kanan	236.2	-1714.809	-1655.337	-1989.054			
10	Tepi kiri	0	-853.921	-586.674	-465.966	1025.45	2.30048	2.3	10	Tepi kiri	0	-1420.267	-944.053	-796.927	1697.18	2.1138	
	1/4 L	59.06	122.864	154.513	213.941					1/4 L	59.06	208.868	245.07	318.369			
	1/2 L	118.1	694.363	544.12	542.268					1/2 L	118.1	1238.849	942.45	941.921			
	3/4 L	177.2	60.943	-2.667	-65.798					3/4 L	177.2	70.41	-21.54	-95.896			
	Tepi Kanan	236.2	-977.762	-901.034	-1025.445					Tepi Kanan	236.2	-1697.183	-1477.273	-1625.456			
	Tepi kiri	0	-865.027	-595.885	-448.528	1043.58	2.30098	2.3	9	Tepi kiri	0	-1442.864	-957.12	-777.599	1673.65	2.0958	
	1/4 L	59.06	117.467	150.026	222.486					1/4 L	59.06	197.805	238.765	328.232			
	1/2 L	118.1	694.676	544.356	541.92					1/2 L	118.1	1239.32	942.906	942.32			
	3/4 L	177.2	66.966	2.293	-75.04					3/4 L	177.2	82.414	-14.322	-104.962			
	Tepi Kanan	236.2	-966.03	-891.351	-1043.58					Tepi Kanan	236.2	-1673.645	-1463.294	-1643.987			
	Tepi kiri	0	-870.82	-485.064	-43.087	1470.65	2.30877	2.3	8	Tepi kiri	0	-1433.721	-735.5	-252.218	2175.18	2.2506	
	7	1/4 L	59.06	117.458	216.56	423.53					1/4 L	59.06	203.931	349.74	589.648		
1/2 L		118.1	697.962	544.116	536.08					1/2 L	118.1	1242.312	943.118	939.651			
3/4 L		177.2	71.061	-67.208	-290.251					3/4 L	177.2	82.153	-124.992	-371.834			
Tepi Kanan		236.2	-963.614	-1032.61	-1470.65					Tepi Kanan	236.2	-1677.278	-1684.964	-2175.181			
Tepi kiri		0	-869.53	-489.687	2.097	1510.15	2.30222	2.3	7	Tepi kiri	0	-1452.75	-759.76	-232.715	2196.83	2.2522	
1/4 L		59.06	117.58	214.788	447.543					1/4 L	59.06	193.357	336.98	598.861			
1/2 L		118.1	696.919	545.196	538.923					1/2 L	118.1	1240.191	941.857	938.576			
3/4 L		177.2	68.851	-63.277	-308.579					3/4 L	177.2	88.487	-114.753	-383.198			
Tepi Kanan		236.2	-966.99	-1025.817	-1510.148					Tepi Kanan	236.2	-1662.49	-1663.224	-2198.833			
Tepi kiri		0	-875.921	-480.774	19.788	1529.61	2.30355	2.3	6	Tepi kiri	0	-1482.047	-789.388	-230.728	2199.25	2.2525	
1/4 L		59.06	114.506	209.217	455.948					1/4 L	59.06	178.87	322.231	599.748			
1/2 L		118.1	697.16	545.139	538.04					1/2 L	118.1	1240.515	941.989	938.362			
5	3/4 L	177.2	72.409	-57.819	-318.749					3/4 L	177.2	103.622	-99.741	-384.512			
	Tepi Kanan	236.2	-980.116	-1014.845	-1529.605					Tepi Kanan	236.2	-1632.545	-1633.333	-2199.248			
	Tepi kiri	0	-865.189	-512.463	-11.24	1496.8	2.30248	2.3	5	Tepi kiri	0	-1513.656	-846.277	-287.877	2141.15	2.2514	
	1/4 L	59.06	110.041	193.748	440.877					1/4 L	59.06	163.291	294.05	571.411			
	1/2 L	118.1	697.499	545.893	538.926					1/2 L	118.1	1240.966	942.516	938.838			
	3/4 L	177.2	77.551	-40.844	-301.905					3/4 L	177.2	120.102	-70.507	-355.224			
	Tepi Kanan	236.2	-950.171	-981.648	-1496.804					Tepi Kanan	236.2	-1600.034	-1575.391	-2141.147			
	Tepi kiri	0	-894.109	-542.88	-35.039	1474.68	2.30325	2.3	4	Tepi kiri	0	-1541.349	-872.467	-258.212	2174.28	2.2504	
	4																

3	1/4 L	59.06	105.609	178.901	429.448					1/4 L	59.06	152.293	283.658	588.93		
	1/2 L	118.1	696.961	546.023	539.274					1/2 L	118.1	1244.294	945.552	941.841		
	3/4 L	177.2	80.315	-26.329	-290.371					3/4 L	177.2	135.387	-56.41	-369.105		
	Tepi Kanan	236.2	-944.696	-953.34	-1474.677					Tepi Kanan	236.2	-1575.161	-1552.603	-2174.281		
	Tepi kiri	0	-907.221	-568.191	-48.609	1461.75	2.30418	2.3	3	Tepi kiri	0	-1561.278	-906.75	-275.616	2156.14	2.3684
2	1/4 L	59.06	98.482	165.96	422.501					1/4 L	59.06	141.679	266.323	380.411		
	1/2 L	118.1	695.82	545.45	538.952					1/2 L	118.1	1242.995	945.165	942.208		
	3/4 L	177.2	85.159	-14.532	-284.071					3/4 L	177.2	143.404	-39.849	-359.852		
	Tepi Kanan	236.2	-933.867	-929.175	-1461.753					Tepi Kanan	236.2	-1557.828	-1519.094	-2156.142		
	Tepi kiri	0	-925.245	-602.411	-81.657	1428.45	2.30466	2.3	2	Tepi kiri	0	-1587.882	-956.785	-325.619	2107.25	2.25
1	1/4 L	59.06	89.164	148.814	406.04					1/4 L	59.06	128.027	241.034	555.132		
	1/2 L	118.1	695.207	545.38	539.077					1/2 L	118.1	1242.095	944.622	941.653		
	3/4 L	177.2	93.252	2.473	-267.358					3/4 L	177.2	155.255	-15.646	-335.682		
	Tepi Kanan	236.2	-917.068	-895.093	-1428.453					Tepi Kanan	236.2	-1533.225	-1470.145	-2107.248		
	Tepi kiri	0	-953.729	-631.257	-138.697	1365.81	2.30006	2.3	1	Tepi kiri	0	-1629.464	-1008.158	-404.23	2016.77	2.2406
	1/4 L	59.06	77.293	136.185	378.92					1/4 L	59.06	111.383	218.565	518.795		
	1/2 L	118.1	699.951	548.966	541.878					1/2 L	118.1	1250.588	951.058	947.589		
	3/4 L	177.2	114.609	22.275	-234.636					3/4 L	177.2	188.886	19.694	-287.474		
	Tepi Kanan	236.2	-879.097	-859.077	-1365.811					Tepi Kanan	236.2	-1474.458	-1405.901	-2016.767		

B3															B4														
Lantai	Lokasi (In)	Momen kombinasi			Mub	Cb	Cb pakal	Lantai	Lokasi (In)	Momen kombinasi			Mub	Cb	Cb pakal														
		1,2D+1,6L	1,2D+0,5L+E/2D+0,5L+1,3	Kip-in						1,2D+1,6L	1,2D+0,5L+E/2D+0,5L+1,3	Kip-in																	
20	Tepi kiri	0	-191.081	-154.938	199.03	2.16082	2.16082	20	Tepi kiri	0	-138.278	-111.423	139.28	1.7511	1.7511														
	1/4 L	59.055	33.591	26.873	25.722			1/4 L	59.055	23.028	19.366	17.669																	
	1/2 L	118.11	116.036	93.308	93.057			1/2 L	118.11	-91.413	-72.846	-70.286																	
	3/4 L	177.17	29.618	23.105	23.753			3/4 L	177.165	70.423	54.47	55.461																	
	Tepi Kanan	236.22	-199.027	-162.474	-160.926			Tepi Kanan	236.22	-47.344	-43.368	-41.832																	
19	Tepi kiri	0	-592.157	-503.412	-501.143	615.29	2.25593	19	Tepi kiri	0	-951.299	-763.731	-765.103	951.3	2.2612	2.2612													
	1/4 L	59.055	94.221	78.006	79.132			1/4 L	59.055	128.672	101.818	101.082																	
	1/2 L	118.11	335.107	281.064	281.047			1/2 L	118.11	522.576	415.562	415.462																	
	3/4 L	177.17	82.657	71.342	70.182			3/4 L	177.165	134.721	108.663	109.199																	
	Tepi Kanan	236.22	-615.286	-516.74	-519.043			Tepi Kanan	236.22	-939.202	-750.042	-748.869																	
18	Tepi kiri	0	-613.462	-526.345	-518.701	613.46	2.28553	18	Tepi kiri	0	-963.27	-775.203	-773.197	963.27	2.2916	2.2916													
	1/4 L	59.055	81.09	64.378	68.213			1/4 L	59.055	120.968	94.689	95.621																	
	1/2 L	118.11	330.15	276.741	276.768			1/2 L	118.11	519.137	412.776	412.634																	
	3/4 L	177.17	85.874	76.324	72.543			3/4 L	177.165	135.548	110.22	109.004																	
	Tepi Kanan	236.22	-603.895	-502.453	-510.043			Tepi Kanan	236.22	-934.109	-744.142	-746.432																	
17	Tepi kiri	0	-613.184	-528.304	-517.655	613.18	2.28068	17	Tepi kiri	0	-943.81	-760.814	-757.125	943.81	2.2416	2.2416													
	1/4 L	59.055	81.544	63.665	69.016			1/4 L	59.055	133.565	104.17	105.948																	
	1/2 L	118.11	330.78	277.273	277.326			1/2 L	118.11	524.872	417.348	417.216																	
	3/4 L	177.17	86.679	78.102	72.858			3/4 L	177.165	134.42	109.883	107.84																	
	Tepi Kanan	236.22	-602.914	-499.429	-509.972			Tepi Kanan	236.22	-942.1	-749.387	-753.341																	
16	Tepi kiri	0	-616.007	-532.366	-519.372	616.01	2.29032	16	Tepi kiri	0	-957.073	-772.345	-767.385	957.07	2.2718	2.2717													
	1/4 L	59.055	79.843	61.398	67.919			1/4 L	59.055	125.433	97.194	99.604																	
	1/2 L	118.11	330.201	276.801	276.85			1/2 L	118.11	521.87	414.929	414.787																	
	3/4 L	177.17	87.222	79.425	73.002			3/4 L	177.165	136.549	112.02	109.328																	
	Tepi Kanan	236.22	-601.248	-496.311	-509.207			Tepi Kanan	236.22	-934.841	-742.694	-747.937																	
15	Tepi kiri	0	-618.343	-535.437	-520.869	618.34	2.29762	15	Tepi kiri	0	-962.17	-776.995	-771.178	962.17	2.2833	2.2833													
	1/4 L	59.055	78.484	59.713	67.02			1/4 L	59.055	122.312	94.414	97.251																	
	1/2 L	118.11	329.82	276.502	276.549			1/2 L	118.11	520.725	414.018	413.875																	
	3/4 L	177.17	87.818	80.513	73.298			3/4 L	177.165	137.381	112.978	109.855																	
	Tepi Kanan	236.22	-559.675	-493.838	-508.313			Tepi Kanan	236.22	-932.032	-739.867	-745.97																	
14	Tepi kiri	0	-617.9	-536.22	-520.043	617.9	2.29619	14	Tepi kiri	0	-961.88	-777.433	-770.7	961.88	2.2822	2.2822													
	1/4 L	59.055	78.745	59.347	67.463			1/4 L	59.055	122.537	94.251	97.538																	
	1/2 L	118.11	329.898	276.554	276.609			1/2 L	118.11	520.887	414.129	413.971																	
	3/4 L	177.17	87.715	80.981	72.976			3/4 L	177.165	137.477	113.365	109.761																	
	Tepi Kanan	236.22	-559.961	-492.952	-509.017			Tepi Kanan	236.22	-932	-739.205	-746.255																	
13	Tepi kiri	0	-618.668	-536.536	-518.606	618.67	2.29313	13	Tepi kiri	0	-960.449	-777.153	-769.413	960.45	2.2786	2.2786													
	1/4 L	59.055	79.404	59.218	68.217			1/4 L	59.055	123.465	94.556	98.342																	
	1/2 L	118.11	329.984	276.611	276.68			1/2 L	118.11	521.311	414.46	414.291																	
	3/4 L	177.17	87.227	81.225	72.364			3/4 L	177.165	137.398	113.721	109.597																	
	Tepi Kanan	236.22	-601.022	-492.522	-510.313			Tepi Kanan	236.22	-932.583	-738.824	-746.902																	
12	Tepi kiri	0	-616.652	-537.258	-518.26	616.65	2.29596	12	Tepi kiri	0	-966.33	-784.173	-775.891	968.33	2.2975	2.2975													
	1/4 L	59.055	79.203	58.69	68.219			1/4 L	59.055	118.506	90.241	94.299																	
	1/2 L	118.11	329.565	276.277	276.338			1/2 L	118.11	519.273	412.851	412.684																	
	3/4 L	177.17	86.591	81.086	71.677			3/4 L	177.165	138.282	114.817	110.425																	
	Tepi Kanan	236.22	-601.876	-492.466	-511.344			Tepi Kanan	236.22	-928.777	-735.022	-743.638																	

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11	Tepi kin	0	-616.122	-536.603	-517.565	616.12	2.2975	2.297499	11	Tepi kin	0	-950.74	-769.905	950.74	2.256	2.25599
	1/4 L	59.055	79.277	58.852	68.411					1/4 L	59.055	129.478	99.139	103.235		
	1/2 L	118.11	329.184	275.947	276.026					1/2 L	118.11	523.628	416.378	416.223		
	3/4 L	177.17	85.754	80.262	70.862					3/4 L	177.165	136.02	112.973	108.569		
	Tepi Kanan	236.22	-603.168	-493.783	-512.862	613.12	2.29085	2.290853	10	Tepi Kanan	236.22	-937.657	-742.236	-750.892	335.12	1.4684
10	Tepi kin	0	-521.123	-521.585	-514.831					Tepi kin	0	-192.301	-153.299	-151.258		1.46841
	1/4 L	59.055	80.812	66.446	69.81					1/4 L	59.055	79.322	61.799	62.111		
	1/2 L	118.11	329.255	276.127	276.091					1/2 L	118.11	-335.123	-274.908	-271.954		
	3/4 L	177.17	84.362	73.029	69.592					3/4 L	177.165	145.499	117.688	117.02		
	Tepi Kanan	236.22	-606.024	-508.429	-515.267					Tepi Kanan	236.22	-65.217	-45.972	-45.812		
9	Tepi kin	0	-611.069	-520.844	-513.047	611.07	2.28637	2.286366	9	Tepi kin	0	-943.964	-758.607	-757.074	943.96	2.2458
	1/4 L	59.055	81.87	66.839	70.719					1/4 L	59.055	133.027	104.956	105.642		
	1/2 L	118.11	329.317	276.163	276.125					1/2 L	118.11	523.95	416.713	416.563		
	3/4 L	177.17	83.427	72.706	68.751					3/4 L	177.165	133.114	107.827	106.82		
	Tepi Kanan	236.22	-607.955	-509.11	-516.983					Tepi Kanan	236.22	-943.791	-752.864	-754.717		
8	Tepi kin	0	-613.086	-536.861	-515.025	613.09	2.29316	2.293158	8	Tepi kin	0	-968.451	-786.801	-776.748	968.45	2.3046
	1/4 L	59.055	80.684	68.616	69.581					1/4 L	59.055	117.651	88.323	93.277		
	1/2 L	118.11	328.923	275.732	275.827					1/2 L	118.11	517.685	411.642	411.496		
	3/4 L	177.17	83.844	80.069	69.293					3/4 L	177.165	135.961	114.317	109.073		
	Tepi Kanan	236.22	-606.726	-493.954	-515.601					Tepi Kanan	236.22	-931.632	-734.813	-745.157		
7	Tepi kin	0	-614.21	-539.708	-516.24	614.21	2.29786	2.29796	7	Tepi kin	0	-964.073	-783.966	-772.553	964.07	2.2994
	1/4 L	59.055	79.918	57.056	68.828					1/4 L	59.055	119.797	89.715	95.348		
	1/2 L	118.11	328.555	275.458	275.537					1/2 L	118.11	517.598	411.589	411.444		
	3/4 L	177.17	83.854	81.082	69.465					3/4 L	177.165	133.641	112.821	106.897		
	Tepi Kanan	236.22	-606.338	-491.655	-514.966					Tepi Kanan	236.22	-936.384	-737.753	-749.455		
6	Tepi kin	0	-612.913	-539.851	-515.451	612.92	2.29478	2.29478	6	Tepi kin	0	-958.769	-780.139	-767.764	958.77	2.2927
	1/4 L	59.055	80.606	57.015	69.265					1/4 L	59.055	122.433	91.617	97.731		
	1/2 L	118.11	328.636	275.522	275.619					1/2 L	118.11	517.568	411.569	411.421		
	3/4 L	177.17	83.329	81.249	69.195					3/4 L	177.165	130.944	110.877	104.468		
	Tepi Kanan	236.22	-607.47	-491.385	-515.59					Tepi Kanan	236.22	-941.748	-741.621	-754.29		
5	Tepi kin	0	-610.947	-538.323	-514.136	610.95	2.29015	2.290154	5	Tepi kin	0	-952.281	-774.77	-762.101	952.28	2.2837
	1/4 L	59.055	81.636	57.824	69.969					1/4 L	59.055	125.736	94.355	100.617		
	1/2 L	118.11	328.728	275.611	275.713					1/2 L	118.11	517.686	411.675	411.531		
	3/4 L	177.17	82.484	80.618	68.678					3/4 L	177.165	127.877	108.352	101.801		
	Tepi Kanan	236.22	-609.253	-492.735	-516.717					Tepi Kanan	236.22	-948	-746.776	-759.734		
4	Tepi kin	0	-610.273	-537.477	-513.962	610.75	2.2926	2.2926	4	Tepi kin	0	-948.161	-771.175	-758.528	953.33	2.2877
	1/4 L	59.055	81.766	58.086	69.892					1/4 L	59.055	127.495	95.94	102.203		
	1/2 L	118.11	328.315	275.288	275.386					1/2 L	118.11	517.083	411.249	411.129		
	3/4 L	177.17	81.527	79.71	68.1					3/4 L	177.165	124.912	105.915	98.411		
	Tepi Kanan	236.22	-610.752	-494.227	-517.546					Tepi Kanan	236.22	-953.327	-751.224	-764.112		
3	Tepi kin	0	-608.429	-536.075	-512.755	613.11	2.29912	2.299119	3	Tepi kin	0	-945.231	-768.994	-756.164	957	2.2941
	1/4 L	59.055	82.562	58.888	70.397					1/4 L	59.055	128.775	96.907	103.275		
	1/2 L	118.11	328.062	275.091	275.19					1/2 L	118.11	516.713	411.002	410.908		
	3/4 L	177.17	80.224	78.714	67.203					3/4 L	177.165	122.893	104.454	97.896		
	Tepi Kanan	236.22	-613.105	-496.022	-519.145					Tepi Kanan	236.22	-956.996	-753.899	-766.917		
2	Tepi kin	0	-608.069	-533.859	-511.131	616.08	2.30728	2.3	2	Tepi kin	0	-942.177	-766.536	-753.746	960.97	2.3013
	1/4 L	59.055	83.587	59.672	71.086					1/4 L	59.055	130.073	97.969	104.33		
	1/2 L	118.11	327.752	274.843	274.942					1/2 L	118.11	516.254	410.668	410.601		
	3/4 L	177.17	78.58	77.234	66.019					3/4 L	177.165	120.677	102.725	96.228		
	Tepi Kanan	236.22	-616.084	-498.735	-521.264					Tepi Kanan	236.22	-960.968	-757.024	-769.949		
1	Tepi kin	0	-598.136	-523.137	-503.132	622.82	2.3098	2.3	1	Tepi kin	0	-928.324	-754.287	-742.778	970.3	2.3034
	1/4 L	59.055	89.352	65.708	75.768					1/4 L	59.055	138.129	105.016	110.756		
	1/2 L	118.11	329.349	276.193	276.307					1/2 L	118.11	518.514	412.514	412.484		
	3/4 L	177.17	76.009	73.898	64.067					3/4 L	177.165	117.14	99.368	93.589		
	Tepi Kanan	236.22	-622.822	-506.757	-526.533					Tepi Kanan	236.22	-970.302	-765.583	-777.152		

Tabel Distribusi momen Balok Struktur Global Brace

B1										B2									
Lantai	Lokasi (In)	Momen kombinasi				Mub	Cb	Cb pakai	Lantai	Lokasi (In)	Momen kombinasi				Mub	Cb	Cb pakai		
		1,2D+1,6L	2D+0,5L+1,3	1,2D+0,5L+E	Kip-in						1,2D+1,6L	2D+0,5L+1,3	1,2D+0,5L+E	Kip-in					
20	Tepi kiri	0	-366,851	-236,755	-313,213	366,851	1,90909	1,90909	20	Tepi kiri	0	-648,378	-417,711	-379,893	775,412	2,1139	2,11386		
	1/4 L	59,06	34,464	28,372	19,56				1/4 L	59,06	107,127	139,34	157,89						
	1/2 L	118,1	318,432	257,633	256,468				1/2 L	118,1	637,365	514,089	513,377						
	3/4 L	177,2	35,916	27,82	34,301				3/4 L	177,2	44,062	-19,883	-39,869						
	Tepi Kanan	236,2	-363,947	-297,858	-283,73	910,916	2,03888	2,03888	19	Tepi Kanan	236,2	-736,508	-774,508	-805,412	1688,54	2,065	2,06504		
19	Tepi kiri	0	-909,767	-748,418	-783,393	910,916	2,03888	2,03888	19	Tepi kiri	0	-1379,171	-874,229	-807,026	1688,54	2,065	2,06504		
	1/4 L	59,06	90,94	70,284	52,923				1/4 L	59,06	238,12	285,066	318,135						
	1/2 L	118,1	690,862	541,907	542,159				1/2 L	118,1	1258,743	955,104	954,04						
	3/4 L	177,2	90,365	81,637	99,501				3/4 L	177,2	83,434	-33,74	-68,938						
	Tepi Kanan	236,2	-910,916	-725,713	-690,236	940,029	2,08555	2,08555	18	Tepi Kanan	236,2	-1688,543	-1511,841	-1581,172	1744,47	2,1332	2,13317		
18	Tepi kiri	0	-891,346	-742,182	-788,133	940,029	2,08555	2,08555	18	Tepi kiri	0	-1350,941	-851,391	-777,692	1744,47	2,1332	2,13317		
	1/4 L	59,06	100,143	73,804	50,62				1/4 L	59,06	245,309	291,491	327,865						
	1/2 L	118,1	689,069	540,933	540,516				1/2 L	118,1	1244,892	945,115	944,166						
	3/4 L	177,2	75,801	74,393	96,742				3/4 L	177,2	48,542	-60,142	-98,415						
	Tepi Kanan	236,2	-940,029	-741,004	-695,888	933,297	2,08299	2,08299	17	Tepi Kanan	236,2	-1744,474	-1554,656	-1630,253	1751,54	2,2338	2,23376		
17	Tepi kiri	0	-901,409	-713,767	-728,731	933,297	2,08299	2,08299	17	Tepi kiri	0	-1352,667	-777,088	-855,462	1751,54	2,2338	2,23376		
	1/4 L	59,06	94,278	86,02	78,204				1/4 L	59,06	244,859	328,893	389,216						
	1/2 L	118,1	687,404	536,95	536,283				1/2 L	118,1	1245,617	945,618	944,637						
	3/4 L	177,2	78,334	54,211	60,691				3/4 L	177,2	50,443	-96,539	-158,824						
	Tepi Kanan	236,2	-933,297	-777,385	-763,756	928,117	2,04864	2,04864	16	Tepi Kanan	236,2	-1741,399	-1627,952	-1751,542	1913,75	2,2442	2,24419		
16	Tepi kiri	0	-896,369	-654,172	-634,707	928,117	2,04864	2,04864	16	Tepi kiri	0	-1339,435	-681,888	-504,655	1913,75	2,2442	2,24419		
	1/4 L	59,06	101,485	120,742	129,699				1/4 L	59,06	249,867	374,978	462,835						
	1/2 L	118,1	695,356	545,379	543,827				1/2 L	118,1	1241,792	941,877	940,358						
	3/4 L	177,2	85,611	34,926	22,864				3/4 L	177,2	37,074	-150,816	-241,712						
	Tepi Kanan	236,2	-928,117	-825,806	-848,376	939,601	2,07018	2,07018	15	Tepi Kanan	236,2	-1765,022	-1733,477	-1913,749	1891,87	2,2488	2,2488		
15	Tepi kiri	0	-888,544	-668,372	-664,174	939,601	2,07018	2,07018	15	Tepi kiri	0	-1337,588	-704,194	-533,139	1891,87	2,2488	2,2488		
	1/4 L	59,06	104,483	110,763	111,586				1/4 L	59,06	248,593	362,156	446,942						
	1/2 L	118,1	693,527	539,62	537,069				1/2 L	118,1	1237,397	938,538	937,057						
	3/4 L	177,2	78,954	33,386	27,461				3/4 L	177,2	29,557	-144,672	-232,421						
	Tepi Kanan	236,2	-939,601	-823,125	-832,425	935,365	2,06459	2,06459	14	Tepi Kanan	236,2	-1775,66	-1717,85	-1891,866	1838,68	2,2465	2,24648		
14	Tepi kiri	0	-892,719	-686,222	-693,346	935,365	2,06459	2,06459	14	Tepi kiri	0	-1348,523	-745,893	-584,207	1838,68	2,2465	2,24648		
	1/4 L	59,06	102,411	104,093	100,243				1/4 L	59,06	243,513	341,771	421,94						
	1/2 L	118,1	693,557	544,13	543,554				1/2 L	118,1	1238,172	939,468	938,119						
	3/4 L	177,2	81,087	49,076	51,774				3/4 L	177,2	36,187	-122,427	-205,295						
	Tepi Kanan	236,2	-935,365	-796,255	-790,284	926,295	2,06299	2,06299	13	Tepi Kanan	236,2	-1763,176	-1674,29	-1838,675	1963,85	2,2486	2,24863		
13	Tepi kiri	0	-907,366	-663,01	-630,597	926,295	2,06299	2,06299	13	Tepi kiri	0	-1359,015	-683,432	-459,718	1963,85	2,2486	2,24863		
	1/4 L	59,06	93,692	111,346	125,266				1/4 L	59,06	238,43	372,978	484,013						
	1/2 L	118,1	690,768	535,423	530,851				1/2 L	118,1	1238,496	939,421	937,778						
	3/4 L	177,2	84,228	24,411	1,345				3/4 L	177,2	41,919	-153,728	-268,05						
	Tepi Kanan	236,2	-926,295	-836,88	-878,438	986,302	2,29193	2,29193	12	Tepi Kanan	236,2	-1752,035	-1736,845	-1963,846	2208,85	2,2527	2,25269		
12	Tepi kiri	0	-905,086	-592,115	-498,654	986,302	2,29193	2,29193	12	Tepi kiri	0	-1340,654	-543,107	-220,979	2208,85	2,2527	2,25269		
	1/4 L	59,06	98,459	153,24	199,212				1/4 L	59,06	250,248	444,758	604,482						
	1/2 L	118,1	696,718	547,014	545,496				1/2 L	118,1	1241,996	940,86	938,189						
	3/4 L	177,2	90,059	4,395	-44,613				3/4 L	177,2	35,323	-224,368	-389,452						
	Tepi Kanan	236,2	-921,887	-889,804	-986,302	956,67	2,33516	2,3	11	Tepi Kanan	236,2	-1770,504	-1881,36	-2208,948	2130,52	2,2529	2,25295		
11	Tepi kiri	0	-896,567	-620,158	-555,496	956,67	2,33516	2,3	11	Tepi kiri	0	-1351,464	-599,88	-300,79	2130,52	2,2529	2,25295		
	1/4 L	59,06	102,365	134,938	163,988				1/4 L	59,06	243,671	415,811	564,206						
	1/2 L	118,1	696,012	538,453	531,891				1/2 L	118,1	1239,653	939,759	937,458						
	3/4 L	177,2	84,739	5,575	-36,599				3/4 L	177,2	37,213	-197,663	-350,66						
	Tepi Kanan	236,2	-931,819	-878,884	-956,67				Tepi Kanan	236,2	-1764,38	-1826,828	-2130,521						

LAMPIRAN B-3

10	Tepi kn	0	-908.81	-656.283	-608.46	922.119	2.04445	2.04445	10	Tepi kiri	0	-1371.775	-682.876	-414.222	2014.97	2.2503	2.25034
	1/4 L	59.06	95.608	120.027	143.324					1/4 L	59.06	233.862	374.7	508.018			
	1/2 L	118.1	694.74	544.756	543.528					1/2 L	118.1	1239.944	940.533	938.515			
	3/4 L	177.2	88.953	33.092	7.338					3/4 L	177.2	47.806	-155.004	-292.358			
	Tepi Kanan	236.2	-931.377	-830.152	-860.433	975.629	2.35929	2.3	9	Tepi Kanan	236.2	-1743.486	-1742.284	-2014.974	2138.85	2.252	2.25201
9	Tepi kiri	0	-931.377	-845.908	-552.594					Tepi kiri	0	-1392.822	-636.415	-280.937			
	1/4 L	59.06	82.41	119.219	161.424					1/4 L	59.06	223.428	397.971	569.514			
	1/2 L	118.1	690.912	532.768	523.862					1/2 L	118.1	1240.324	940.615	938.22			
	3/4 L	177.2	94.494	9.919	-50.093					3/4 L	177.2	58.799	-178.112	-354.442			
	Tepi Kanan	236.2	-907.209	-864.509	-975.629	1125.62	2.28589	2.3	8	Tepi Kanan	236.2	-1721.879	-1788.581	-2138.848	2451.6	2.2565	2.25651
8	Tepi kiri	0	-934.795	-555.513	-362.224					Tepi kiri	0	-1382.228	-473.945	18.317			
	1/4 L	59.06	85.967	174.193	270.435					1/4 L	59.06	230.278	479.411	723.444			
	1/2 L	118.1	698.956	549.832	549.027					1/2 L	118.1	1243.512	940.906	936.709			
	3/4 L	177.2	104.539	-13.41	-111.262					3/4 L	177.2	58.206	-259.087	-511.514			
	Tepi Kanan	236.2	-897.651	-930.72	-1125.619	1119.94	2.33729	2.3	7	Tepi Kanan	236.2	-1726.371	-1950.943	-2451.598	2325.8	2.2559	2.25592
7	Tepi kn	0	-916.121	-570.978	-406.328					Tepi kn	0	-1408.602	-560.376	-107.947			
	1/4 L	59.06	95.707	161.655	238.777					1/4 L	59.06	215.886	435.755	860.195			
	1/2 L	118.1	699.762	540.221	529.815					1/2 L	118.1	1241.102	940.025	936.478			
	3/4 L	177.2	96.41	-20.094	-118.029					3/4 L	177.2	67.779	-217.193	-448.731			
	Tepi Kanan	236.2	-914.713	-934.477	-1119.839	1036.2	2.29604	2.29604	6	Tepi Kanan	236.2	-1704.816	-1886.274	-2325.8	2143.14	2.2523	2.25229
6	Tepi kiri	0	-927.072	-609.502	-457.992					Tepi kiri	0	-1445.225	-685.586	-287.28			
	1/4 L	59.06	89.089	145.975	220.966					1/4 L	59.06	197.671	373.695	571.361			
	1/2 L	118.1	697.476	547.384	545.855					1/2 L	118.1	1241.295	941.113	938.141			
	3/4 L	177.2	98.458	9.912	-68.136					3/4 L	177.2	86.381	-152.956	-356.367			
	Tepi Kanan	236.2	-908.334	-881.628	-1036.195	1137.37	2.36056	2.3	5	Tepi Kanan	236.2	-1667.807	-1738.887	-2143.137	2217.75	2.2538	2.25376
5	Tepi kn	0	-945.659	-604.412	-406.791					Tepi kn	0	-1483.9	-682.487	-213.892			
	1/4 L	59.06	77.624	141.664	234.074					1/4 L	59.06	178.475	375.233	607.749			
	1/2 L	118.1	693.134	533.673	520.87					1/2 L	118.1	1241.578	941.091	937.527			
	3/4 L	177.2	101.238	-13.198	-131.214					3/4 L	177.2	106.143	-154.539	-394.182			
	Tepi Kanan	236.2	-898.431	-914.137	-1137.365	1264.63	2.27177	2.27177	4	Tepi Kanan	236.2	-1628.566	-1742.032	-2217.753	2467.73	2.2561	2.25615
4	Tepi kn	0	-938.024	-515.316	-213.548					Tepi kn	0	-1515.367	-585.748	29.839			
	1/4 L	59.06	84.131	195.727	348.079					1/4 L	59.06	165.594	425.949	731.606			
	1/2 L	118.1	697.921	552.11	555.046					1/2 L	118.1	1244.894	943.416	939.142			
	3/4 L	177.2	103.713	-30.98	-177.459					3/4 L	177.2	123.297	-202.974	-517.178			
	Tepi Kanan	236.2	-898.86	-968.73	-1264.625	1330.6	2.33386	2.3	3	Tepi Kanan	236.2	-1599.942	-1843.584	-2467.729	2360.27	2.2534	2.25344
3	Tepi kn	0	-924.543	-507.239	-203.269					Tepi kn	0	-1541.851	-658.952	-74.374			
	1/4 L	59.06	91.843	193.947	339.295					1/4 L	59.06	151.594	389.53	680.311			
	1/2 L	118.1	699.865	540.473	527.198					1/2 L	118.1	1243.398	943.782	940.765			
	3/4 L	177.2	99.888	-52.474	-224.372					3/4 L	177.2	134.295	-165.823	-462.637			
	Tepi Kanan	236.2	-908.454	-1000.081	-1330.601	1302.93	2.29501	2.29501	2	Tepi Kanan	236.2	-1576.449	-1769.659	-2360.27	2180.4	2.2515	2.25148
2	Tepi kn	0	-946.198	-527.975	-195.951					Tepi kn	0	-1574.819	-782.614	-253.648			
	1/4 L	59.06	78.797	186.447	351.17					1/4 L	59.06	134.595	327.647	590.823			
	1/2 L	118.1	695.427	546.21	544.691					1/2 L	118.1	1242.369	943.676	941.063			
	3/4 L	177.2	104.058	-33.5	-201.791					3/4 L	177.2	149.235	-104.15	-372.554			
	Tepi Kanan	236.2	-895.675	-967.87	-1302.933	1297.42	2.33828	2.3	1	Tepi Kanan	236.2	-1545.54	-1646.207	-2180.401	2073.95	2.2422	2.24221
1	Tepi kn	0	-961.893	-576.985	-238.747					Tepi kn	0	-1623.06	-871.701	-348.072			
	1/4 L	59.06	60.824	157.933	320.881					1/4 L	59.06	114.652	296.373	546.617			
	1/2 L	118.1	694.976	538.192	526.049					1/2 L	118.1	1250.723	950.217	947.074			
	3/4 L	177.2	121.13	-21.023	-208.356					3/4 L	177.2	185.886	-49.796	-316.324			
	Tepi Kanan	236.2	-861.082	-934.897	-1297.42					Tepi Kanan	236.2	-1480.591	-1544.04	-2073.954			

Tabel Perhitungan Kuant Lentur Balok 20 Lt Open Frame

Balok B1

Lt	Profil	Mp		Lb		Lp	X1	X2	Lr	Keterangan (bentang)	Cb	Cek Profil		Mr	Min	Min pakai	φMn	Mu,b	Cek Kapasitas	Rasio
		(K-in)	(in)	(in)	(in)		Ksi	Ksi				Sayap	Badan							
20	W16X31	1944	3	118.1	58.27	1740.4	0.019	170	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	471.7	2650.4	1944	1749.6	208.581	Aman	0.12
19	W18x40	2822.4	3	118.1	63.62	1809.2	0.0164	187	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	683.8	4325.6	2822.4	2540.16	721.773	Aman	0.28
18	W18x40	2822.4	3	118.1	63.62	1809.2	0.0164	187	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	683.8	4325.6	2822.4	2540.16	721.156	Aman	0.28
17	W18x40	2822.4	3	118.1	63.62	1809.2	0.0164	187	Lp<Lb<Lr	2.74	2.74	Kompak	Kompak	683.8	5148.9	2822.4	2540.16	720.778	Aman	0.28
16	W18x40	2822.4	3	118.1	63.62	1809.2	0.0164	187	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	683.8	4325.6	2822.4	2540.16	721.14	Aman	0.28
15	W18x40	2822.4	3	118.1	63.62	1809.2	0.0164	187	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	683.8	4325.6	2822.4	2540.16	721.229	Aman	0.28
14	W18x40	2822.4	3	118.1	63.62	1809.2	0.0164	187	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	683.8	4325.6	2822.4	2540.16	721.583	Aman	0.28
13	W18x40	2822.4	3	118.1	63.62	1809.2	0.0164	187	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	683.8	4325.6	2822.4	2540.16	723.422	Aman	0.28
12	W18x46	3265.2	3	118.1	64.55	2064.1	0.0098	199	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	5235.4	3265.2	2938.68	723.701	Aman	0.25
11	W18x46	3265.2	3	118.1	64.55	2064.1	0.0098	199	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	5235.4	3265.2	2938.68	723.701	Aman	0.25
10	W18x46	3265.2	3	118.1	64.55	2064.1	0.0098	199	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	5235.4	3265.2	2938.68	723.701	Aman	0.25
9	W18x46	3265.2	3	118.1	64.55	2064.1	0.0098	199	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	5235.4	3265.2	2938.68	723.701	Aman	0.25
8	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	6977.8	3636	3272.4	725.76	Aman	0.22
7	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	6977.8	3636	3272.4	725.76	Aman	0.22
6	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	6977.8	3636	3272.4	725.76	Aman	0.22
5	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	6977.8	3636	3272.4	725.76	Aman	0.22
4	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	6977.8	3636	3272.4	725.76	Aman	0.22
3	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	6977.8	3636	3272.4	725.76	Aman	0.22
2	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	6977.8	3636	3272.4	725.76	Aman	0.22
1	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	888.89	6977.8	3636	3272.4	725.76	Aman	0.22

Balok B2

Lantai	Profil	Mp		Lb		Lp	X1	X2	Lr	Keterangan (bentang)	Cb	Cek Profil		Mr	Min	Min pakai	φMn	Mu,b	Cek Kapasitas	Rasio
		(K-in)	(in)	(in)	(in)		Ksi	Ksi				Sayap	Badan							
20	W18X35	2394	3	118.1	60.94	1585.2	0.0292	175	Lp<Lb<Lr	2.23	2.23	Kompak	Kompak	576.27	3311.3	2394	2154.6	1051.17	Aman	0.49
19	W21X50	3960	3	118.1	65.08	1731.3	0.0214	193	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	946.15	6224	3960	3564	2223.69	Aman	0.62
18	W21X55	4536	3	118.1	66.43	1636.1	0.0243	247	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1096.2	8876.3	4536	4082.4	2677.68	Aman	0.66
17	W21X55	4536	3	118.1	66.43	1636.1	0.0243	247	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1096.2	8876.3	4536	4082.4	2677.68	Aman	0.66
16	W24X55	4860	3	118.1	66.81	1560.9	0.0346	195	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1152.5	7778.3	4860	4374	2930.26	Aman	0.72
15	W24X55	4860	3	118.1	66.81	1560.9	0.0346	195	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1152.5	7778.3	4860	4374	2930.26	Aman	0.78
14	W24X55	4860	3	118.1	66.81	1560.9	0.0346	195	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1152.5	7778.3	4860	4374	2930.26	Aman	0.84
13	W24X55	4860	3	118.1	66.81	1560.9	0.0346	195	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1152.5	7778.3	4860	4374	2930.26	Aman	0.89
12	W24X62	5544	3	118.1	68.65	1729.9	0.0224	205	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1316.5	9212.6	5544	4989.6	3661.82	Aman	0.84
11	W24X62	5544	3	118.1	68.65	1729.9	0.0224	205	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1316.5	9212.6	5544	4989.6	3661.82	Aman	0.89
10	W24X62	5544	3	118.1	68.65	1729.9	0.0224	205	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1316.5	9212.6	5544	4989.6	3661.82	Aman	0.93
9	W24X62	5544	3	118.1	68.65	1729.9	0.0224	205	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1316.5	9212.6	5544	4989.6	3661.82	Aman	0.93
8	W24X68	6372	3	118.1	93.58	1588.6	0.0276	266	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1544.3	13080	6372	5734.8	5306.37	Aman	0.97
7	W24X68	6372	3	118.1	93.58	1588.6	0.0276	266	Lp<Lb<Lr	2.3	2.3	Kompak	Kompak	1544.3	13080	6372	5734.8	5306.37	Aman	0.93

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6	W24X68	6372	3	118.1	93.58	1588.6	0.0276	266	Lp<Lb<Lr	2.3	Kompak	Kompak	1544.3	13080	6372	5734.8	5383.94	Aman	0.94
5	W24X68	6372	3	118.1	93.58	1588.6	0.0276	266	Lp<Lb<Lr	2.3	Kompak	Kompak	1544.3	13080	6372	5734.8	5349.75	Aman	0.93
4	W24X76	7200	3	118.1	95.96	1764.3	0.0177	279	Lp<Lb<Lr	2.3	Kompak	Kompak	1757.3	15047	7200	6480	5645.71	Aman	0.87
3	W24X76	7200	3	118.1	95.96	1764.3	0.0177	279	Lp<Lb<Lr	2.3	Kompak	Kompak	1757.3	15047	7200	6480	5483.21	Aman	0.85
2	W24X76	7200	3	118.1	95.96	1764.3	0.0177	279	Lp<Lb<Lr	2.3	Kompak	Kompak	1757.3	15047	7200	6480	5168.91	Aman	0.8
1	W24X76	7200	3	118.1	95.96	1764.3	0.0177	279	Lp<Lb<Lr	2.3	Kompak	Kompak	1757.3	15047	7200	6480	4188.4	Aman	0.65

Balok B3

Lantai	Profil	Mp (K-in)	Lb		Lp (in)	X1		X2		Lr (in)	Keterangan (bentang)	Cb	Cek Profil		Mr (K-in)	Mn (K-in)	Mn pakai (K-in)	φMn (K-in)	Mu,b (K-in)	Cek Kapasitas	Rasio
			(m)	(in)		Kel	Kel	Kel	Kel				Sayap	Badan							
20	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	234.264	Aman	0.16
19	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	622.338	Aman	0.43
18	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	636.169	Aman	0.44
17	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	635.197	Aman	0.44
16	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	635.253	Aman	0.44
15	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	635.008	Aman	0.44
14	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	632.608	Aman	0.44
13	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	629.857	Aman	0.44
12	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	628.345	Aman	0.44
11	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	622.281	Aman	0.43
10	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	617.922	Aman	0.43
9	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	614.659	Aman	0.43
8	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	612.279	Aman	0.43
7	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	610.588	Aman	0.43
6	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	606.894	Aman	0.42
5	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	600.89	Aman	0.42
4	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	596.617	Aman	0.42
3	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	592.084	Aman	0.41
2	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08	595.611	Aman	0.42
1	W16X26	1591.2	6	236.2	55.88	1480.3	0.038	158	0.038	158	Lb>Lr	2.3	Kompak	Kompak	383.44	6799.1	1591.2	1432.08		Aman	0.42

Balok B4

Lantai	Profil	Mp (K-in)	Lb		Lp (in)	X1		X2		Lr (in)	Keterangan (bentang)	Cb	Cek Profil		Mr (K-in)	Mn (K-in)	φMn (K-in)	Mu,b (K-in)	Cek Kapasitas	Rasio	
			(m)	in		Kel	Kel	Sayap	Badan												
20	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	452.213	Aman	0.26
19	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	999.763	Aman	0.57
18	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	1011.16	Aman	0.58
17	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	1009.3	Aman	0.58
16	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	1009.34	Aman	0.58
15	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	1008.57	Aman	0.58
14	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	1004.36	Aman	0.57
13	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	999.5	Aman	0.57

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12	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	996.702	Aman	0.57
11	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	992.894	Aman	0.57
10	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	985.93	Aman	0.56
9	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	978.24	Aman	0.56
8	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	972.402	Aman	0.56
7	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	967.703	Aman	0.55
6	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	960.184	Aman	0.55
5	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	952.186	Aman	0.54
4	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	945.486	Aman	0.54
3	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	938.89	Aman	0.54
2	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	932.258	Aman	0.53
1	W16X31	1944	6	236.2	58.27	1740.4	0.019	170	Lb>Lr	2.3	Kompak	Kompak	471.7	9449.9	1944	1749.6	940.547	Aman	0.54

Tabel Perhitungan Kuat Lentur Balok 20 Lt Belt Truss and Outrigger Frame

Balok B1		Lt	Profil		Mp (K-in)	Lb		Lp		X1		X2		Lr (ft)	Keterangan		Cb	Cek Profil		Mr (K-in)	Min paksa (K-in)	φ _{min} (K-in)	Mu _b (K-in)	Cek Kapasitas	Residu
			(K-in)	(in)		(in)	(in)	Kal	Kal	Kal	Kal	Sayap	Badan		(K-in)	(K-in)									
20	W16x26	1591	3	118.1	55.88	1480.3	0.038	158	Lp<Lb<Lr	1.97	Kompak	Kompak	Kompak	996.94	2423.2	1591.2	1432.08	387.936	Aman					0.27	
19	W16x31	1944	3	118.1	58.27	1740.4	0.019	170	Lp<Lb<Lr	2.09	Kompak	Kompak	Kompak	1226.4	3259.9	1944	1749.6	953.526	Aman					0.54	
18	W16x31	1944	3	118.1	58.27	1740.4	0.019	170	Lp<Lb<Lr	2.16	Kompak	Kompak	Kompak	1226.4	3363.7	1944	1749.6	998.64	Aman					0.57	
17	W16x31	1944	3	118.1	58.27	1740.4	0.019	170	Lp<Lb<Lr	2.31	Kompak	Kompak	Kompak	1226.4	3597.8	1944	1749.6	1036.98	Aman					0.59	
16	W16x36	2304	3	118.1	76.02	1706.7	0.019	218	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1465.2	4726.2	2304	2073.6	1173.82	Aman					0.57	
15	W16x36	2304	3	118.1	76.02	1706.7	0.019	218	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1465.2	4726.2	2304	2073.6	1204.93	Aman					0.58	
14	W16x36	2304	3	118.1	76.02	1706.7	0.019	218	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1465.2	4726.2	2304	2073.6	1216.6	Aman					0.59	
13	W16x36	2304	3	118.1	76.02	1706.7	0.019	218	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1465.2	4726.2	2304	2073.6	1331.13	Aman					0.64	
12	W16x36	2304	3	118.1	76.02	1706.7	0.019	218	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1465.2	4726.2	2304	2073.6	1025.45	Aman					0.49	
11	W16x36	2304	3	118.1	76.02	1706.7	0.019	218	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1465.2	4726.2	2304	2073.6	1043.58	Aman					0.5	
10	W16x36	2304	3	118.1	76.02	1706.7	0.019	218	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1465.2	4726.2	2304	2073.6	1470.65	Aman					0.71	
9	W16x36	2304	3	118.1	76.02	1706.7	0.019	218	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1465.2	4726.2	2304	2073.6	1510.15	Aman					0.73	
8	W16x40	2628	3	118.1	78.25	1891.6	0.012	229	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1683.5	5470.1	2628	2365.2	1529.61	Aman					0.65	
7	W16x40	2628	3	118.1	78.25	1891.6	0.012	229	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1683.5	5470.1	2628	2365.2	1496.8	Aman					0.63	
6	W16x40	2628	3	118.1	78.25	1891.6	0.012	229	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1683.5	5470.1	2628	2365.2	1474.68	Aman					0.62	
5	W16x40	2628	3	118.1	78.25	1891.6	0.012	229	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1683.5	5470.1	2628	2365.2	1510.15	Aman					0.64	
4	W16x45	2963	3	118.1	78.52	2112.1	0.008	240	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1892.7	6210.3	2962.8	2666.52	1529.61	Aman					0.57	
3	W16x45	2963	3	118.1	78.52	2112.1	0.008	240	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1892.7	6210.3	2962.8	2666.52	1496.8	Aman					0.56	
2	W16x45	2963	3	118.1	78.52	2112.1	0.008	240	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1892.7	6210.3	2962.8	2666.52	1474.68	Aman					0.55	
1	W16x45	2963	3	118.1	78.52	2112.1	0.008	240	Lp<Lb<Lr	2.3	Kompak	Kompak	Kompak	1892.7	6210.3	2962.8	2666.52	1365.81	Aman					0.51	

Balok B2																				
Lr	Profil	Mp (K-in)	Lb		Lp (ft)	X1		X2 (ft)	Lr (ft)	Keterangan (bentang)	Cb	Cek Profil		Mr (K-in)	Min (K-in)	Mn paksa (K-in)	φ _{min} (K-in)	Mu _b (K-in)	Cek Kapasitas (K-in)	Residu o
			in	mm		Ksl	Ksl					Sayap	Badan							
20	W16x26	1591	3	118.1	55.88	1480.3	0.038	158	Lp<Lb<Lr	1.91	Kompak	Kompak	Kompak	996.94	2345	1591.2	1432.08	736.248	Aman	0.51
19	W18x35	2394	3	118.1	60.94	1585.2	0.029	175	Lp<Lb<Lr	2.02	Kompak	Kompak	Kompak	1498.3	3923.2	2394	2154.6	1614.85	Aman	0.75
18	W18x35	2394	3	118.1	60.94	1585.2	0.029	175	Lp<Lb<Lr	2.09	Kompak	Kompak	Kompak	1498.3	4060.9	2394	2154.6	1674.65	Aman	0.78
17	W18x35	2394	3	118.1	60.94	1585.2	0.029	175	Lp<Lb<Lr	2.09	Kompak	Kompak	Kompak	1498.3	4060.6	2394	2154.6	1676.84	Aman	0.78
16	W18x40	2822	3	118.1	63.62	1809.2	0.016	187	Lp<Lb<Lr	2.24	Kompak	Kompak	Kompak	1777.9	5288.2	2822.4	2540.16	1749.52	Aman	0.69
15	W18x40	2822	3	118.1	63.62	1809.2	0.016	187	Lp<Lb<Lr	2.24	Kompak	Kompak	Kompak	1777.9	5303.5	2822.4	2540.16	1791.35	Aman	0.71
14	W18x40	2822	3	118.1	63.62	1809.2	0.016	187	Lp<Lb<Lr	2.24	Kompak	Kompak	Kompak	1777.9	5302.1	2822.4	2540.16	1807.55	Aman	0.71
13	W18x40	2822	3	118.1	63.62	1809.2	0.016	187	Lp<Lb<Lr	2.24	Kompak	Kompak	Kompak	1777.9	5302.8	2822.4	2540.16	1840.94	Aman	0.72
12	W18x40	2822	3	118.1	63.62	1809.2	0.016	187	Lp<Lb<Lr	2.25	Kompak	Kompak	Kompak	1777.9	5305	2822.4	2540.16	1951.6	Aman	0.77
11	W18x40	2822	3	118.1	63.62	1809.2	0.016	187	Lp<Lb<Lr	2.25	Kompak	Kompak	Kompak	1777.9	5314.4	2822.4	2540.16	1989.05	Aman	0.78
10	W18x40	2822	3	118.1	63.62	1809.2	0.016	187	Lp<Lb<Lr	2.11	Kompak	Kompak	Kompak	1777.9	4993.8	2822.4	2540.16	1697.18	Aman	0.67
9	W18x40	2822	3	118.1	63.62	1809.2	0.016	187	Lp<Lb<Lr	2.1	Kompak	Kompak	Kompak	1777.9	4951.3	2822.4	2540.16	1673.65	Aman	0.66
8	W18x46	3265	3	118.1	64.55	2064.1	0.01	199	Lp<Lb<Lr	2.25	Kompak	Kompak	Kompak	2045.5	6253.4	3265.2	2938.68	2175.18	Aman	0.74

7	W18x46	3265	3	118.1	64.55	2064.1	0.01	199	Lp<Lb<Lr	2.25	Kompak	Kompak	2045.5	6257.9	3265.2	2938.68	2196.83	Aman	0.75
6	W18x46	3265	3	118.1	64.55	2064.1	0.01	199	Lp<Lb<Lr	2.25	Kompak	Kompak	2045.5	6258.7	3265.2	2938.68	2199.25	Aman	0.75
5	W18x46	3265	3	118.1	64.55	2064.1	0.01	199	Lp<Lb<Lr	2.25	Kompak	Kompak	2045.5	6255.4	3265.2	2938.68	2141.15	Aman	0.73
4	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.25	Kompak	Kompak	2311.1	7528.9	3636	3272.4	2174.28	Aman	0.66
3	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.25	Kompak	Kompak	2311.1	7526.7	3636	3272.4	2156.14	Aman	0.66
2	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.25	Kompak	Kompak	2311.1	7527.4	3636	3272.4	2107.25	Aman	0.64
1	W18x50	3636	3	118.1	82.58	1922	0.012	245	Lp<Lb<Lr	2.24	Kompak	Kompak	2311.1	7496.2	3636	3272.4	2016.77	Aman	0.62

Balok B3

Balok B3																			
Lt	Profil	Mp (K-in)	Lb		Lp (in)	X1 ksi	X2 ksi	Lr (in)	Keterangan (penampang)	Cb	Cek Profil		Mn (K-in)	Mn (K-in)	φMn (K-in)	Mu.b (K-in)	Cek Kapasitas	Resiko	
			in	ksi							Sayap	Badan							
20	W10x33	1397	6	236.2	97.08	2708.7	0.002	328	Lp<Lb<Lr	2.16	Kompak	Kompak	913.87	2390.4	1396.8	1257.12	199.027	Aman	0.16
19	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.26	Kompak	Kompak	869.51	5805.3	1339.2	1205.28	615.286	Aman	0.51
18	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.29	Kompak	Kompak	869.51	5881.5	1339.2	1205.28	613.462	Aman	0.51
17	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.28	Kompak	Kompak	869.51	5869	1339.2	1205.28	613.184	Aman	0.51
16	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.29	Kompak	Kompak	869.51	5893.8	1339.2	1205.28	616.007	Aman	0.51
15	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.3	Kompak	Kompak	869.51	5912.6	1339.2	1205.28	618.343	Aman	0.51
14	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.3	Kompak	Kompak	869.51	5909	1339.2	1205.28	617.9	Aman	0.51
13	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.29	Kompak	Kompak	869.51	5901.1	1339.2	1205.28	616.668	Aman	0.51
12	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.3	Kompak	Kompak	869.51	5908.3	1339.2	1205.28	616.652	Aman	0.51
11	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.3	Kompak	Kompak	869.51	5912.3	1339.2	1205.28	616.122	Aman	0.51
10	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.29	Kompak	Kompak	869.51	5895.5	1339.2	1205.28	613.123	Aman	0.51
9	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.29	Kompak	Kompak	869.51	5883.7	1339.2	1205.28	611.069	Aman	0.51
8	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.29	Kompak	Kompak	869.51	5901.1	1339.2	1205.28	613.086	Aman	0.51
7	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.3	Kompak	Kompak	869.51	5913.5	1339.2	1205.28	614.21	Aman	0.51
6	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.29	Kompak	Kompak	869.51	5905.3	1339.2	1205.28	612.915	Aman	0.51
5	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.29	Kompak	Kompak	869.51	5893.4	1339.2	1205.28	610.947	Aman	0.51
4	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.29	Kompak	Kompak	869.51	5899.7	1339.2	1205.28	610.752	Aman	0.51
3	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.3	Kompak	Kompak	869.51	5916.5	1339.2	1205.28	613.105	Aman	0.51
2	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.3	Kompak	Kompak	869.51	5918.8	1339.2	1205.28	616.084	Aman	0.51
1	W12x26	1339	6	236.2	75.19	1812.7	0.013	214	Lb>Lr	2.3	Kompak	Kompak	869.51	5918.8	1339.2	1205.28	622.822	Aman	0.52

Balok B4

Balok B4																			
Ls	Profil	Mp (K-in)	Lb		Lp (in)	X1 ksi	X2 ksi	Lr (in)	Keterangan (base metal)	Cb	Cek Profil		Mn (K-in)	Mn pasal (K-in)	φMn (K-in)	Mu.b (K-in)	Cek Kapasitas	Rasio	
			in	ksi							Sayap	Badan							
20	W10x33	1397	6	236.2	97.08	2708.7	0.002	328	Lp<Lb<Lr	1.75	Kompak	Kompak	913.87	1937.2	1396.8	1257.12	139.278	Aman	0.11
19	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.26	Kompak	Kompak	1006.2	7351.4	1551.6	1396.44	951.299	Aman	0.68
18	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.29	Kompak	Kompak	1006.2	7450.2	1551.6	1396.44	963.27	Aman	0.69
17	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.24	Kompak	Kompak	1006.2	7287.7	1551.6	1396.44	943.81	Aman	0.68
16	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.27	Kompak	Kompak	1006.2	7385.7	1551.6	1396.44	957.073	Aman	0.69
15	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.28	Kompak	Kompak	1006.2	7423.2	1551.6	1396.44	962.17	Aman	0.69
14	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.28	Kompak	Kompak	1006.2	7419.7	1551.6	1396.44	961.88	Aman	0.69
13	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.28	Kompak	Kompak	1006.2	7407.7	1551.6	1396.44	960.449	Aman	0.69

12	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.3	Kompak	Kompak	1006.2	7469.5	1551.6	1396.44	968.33	Aman	0.69
11	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.26	Kompak	Kompak	1006.2	7334.4	1551.6	1396.44	950.74	Aman	0.68
10	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	1.47	Kompak	Kompak	1006.2	4773.9	1551.6	1396.44	335.123	Aman	0.24
9	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.25	Kompak	Kompak	1006.2	7301.1	1551.6	1396.44	943.964	Aman	0.68
8	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.3	Kompak	Kompak	1006.2	7477.4	1551.6	1396.44	968.451	Aman	0.69
7	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.3	Kompak	Kompak	1006.2	7475.5	1551.6	1396.44	964.073	Aman	0.69
6	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.29	Kompak	Kompak	1006.2	7453.7	1551.6	1396.44	958.769	Aman	0.69
5	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.28	Kompak	Kompak	1006.2	7424.6	1551.6	1396.44	952.281	Aman	0.68
4	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.29	Kompak	Kompak	1006.2	7437.6	1551.6	1396.44	953.327	Aman	0.68
3	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.29	Kompak	Kompak	1006.2	7458.4	1551.6	1396.44	956.996	Aman	0.69
2	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.3	Kompak	Kompak	1006.2	7477.4	1551.6	1396.44	960.968	Aman	0.69
1	W12x30	1552	6	236.2	75.99	2072.4	0.008	227	Lb>Lr	2.3	Kompak	Kompak	1006.2	7477.4	1551.6	1396.44	970.302	Aman	0.69

Tabel Perhitungan Kuant Lentur Balok 20 Lt Global Brace

Lantai	Profil	Mp (K-in)	Lb		Lp (in)	X1		X2	Lr (in)	Keterangan (Bentang)		Cb	Cek Profil		Mr (K-in)	Mn (K-in)	Min paku (K-in)	φMn (K-in)	Max (K-in)	Cek Kapasitas	Rasio
			(in)	(in)		Ksf	Ksf						Sayap	Badan							
20	W16x26	1591	3	118.11	55.875	1480.3	0.038	0.038	158	Lp<Lb<Lr	1.91		Kompak	Kompak	996.941	2346.2	1591.2	1432.08	366.851	Aman	0.26
19	W16x26	1591	3	118.11	55.875	1480.3	0.038	0.038	158	Lp<Lb<Lr	2.04		Kompak	Kompak	996.941	2505.7	1591.2	1432.08	910.916	Aman	0.64
18	W16x26	1591	3	118.11	55.875	1480.3	0.038	0.038	158	Lp<Lb<Lr	2.09		Kompak	Kompak	996.941	2563.1	1591.2	1432.08	940.029	Aman	0.66
17	W16x26	1591	3	118.11	55.875	1480.3	0.038	0.038	158	Lp<Lb<Lr	2.08		Kompak	Kompak	996.941	2560	1591.2	1432.08	933.297	Aman	0.65
16	W16x31	1944	3	118.11	58.27	1740.4	0.019	0.019	170	Lp<Lb<Lr	2.05		Kompak	Kompak	1226.41	3192.1	1944	1749.6	928.117	Aman	0.53
15	W16x31	1944	3	118.11	58.27	1740.4	0.019	0.019	170	Lp<Lb<Lr	2.07		Kompak	Kompak	1226.41	3225.7	1944	1749.6	939.601	Aman	0.54
14	W16x31	1944	3	118.11	58.27	1740.4	0.019	0.019	170	Lp<Lb<Lr	2.06		Kompak	Kompak	1226.41	3217	1944	1749.6	935.365	Aman	0.53
13	W16x31	1944	3	118.11	58.27	1740.4	0.019	0.019	170	Lp<Lb<Lr	2.06		Kompak	Kompak	1226.41	3214.5	1944	1749.6	956.67	Aman	0.55
12	W16x31	1944	3	118.11	58.27	1740.4	0.019	0.019	170	Lp<Lb<Lr	2.29		Kompak	Kompak	1226.41	3571.2	1944	1749.6	922.119	Aman	0.53
11	W16x31	1944	3	118.11	58.27	1740.4	0.019	0.019	170	Lp<Lb<Lr	2.3		Kompak	Kompak	1226.41	3583.8	1944	1749.6	975.629	Aman	0.56
10	W16x31	1944	3	118.11	58.27	1740.4	0.019	0.019	170	Lp<Lb<Lr	2.04		Kompak	Kompak	1226.41	3185.6	1944	1749.6	1125.62	Aman	0.64
9	W16x31	1944	3	118.11	58.27	1740.4	0.019	0.019	170	Lp<Lb<Lr	2.3		Kompak	Kompak	1226.41	3583.8	1944	1749.6	1119.94	Aman	0.64
8	W16x36	2304	3	118.11	76.015	1706.7	0.0194	0.0194	218	Lp<Lb<Lr	2.29		Kompak	Kompak	1465.16	4697.2	2304	2073.6	1036.2	Aman	0.5
7	W16x36	2304	3	118.11	76.015	1706.7	0.0194	0.0194	218	Lp<Lb<Lr	2.3		Kompak	Kompak	1465.16	4726.2	2304	2073.6	1137.37	Aman	0.55
6	W16x36	2304	3	118.11	76.015	1706.7	0.0194	0.0194	218	Lp<Lb<Lr	2.3		Kompak	Kompak	1465.16	4718.1	2304	2073.6	1264.63	Aman	0.61
5	W16x36	2304	3	118.11	76.015	1706.7	0.0194	0.0194	218	Lp<Lb<Lr	2.3		Kompak	Kompak	1465.16	4726.2	2304	2073.6	1119.94	Aman	0.54
4	W16x40	2628	3	118.11	78.25	1891.6	0.0122	0.0122	229	Lp<Lb<Lr	2.3		Kompak	Kompak	1683.5	5470.1	2628	2365.2	1036.2	Aman	0.44
3	W16x40	2628	3	118.11	78.25	1891.6	0.0122	0.0122	229	Lp<Lb<Lr	2.3		Kompak	Kompak	1683.5	5470.1	2628	2365.2	1137.37	Aman	0.48
2	W16x40	2628	3	118.11	78.25	1891.6	0.0122	0.0122	229	Lp<Lb<Lr	2.3		Kompak	Kompak	1683.5	5488.3	2628	2365.2	1264.63	Aman	0.53
1	W16x40	2628	3	118.11	78.25	1891.6	0.0122	0.0122	229	Lp<Lb<Lr	2.3		Kompak	Kompak	1683.5	5470.1	2628	2365.2	1297.42	Aman	0.55

Balok B2

Lantai	Profil	Mp (K-in)	Lb		Lp (in)	X1		X2	Lr (in)	Keterangan (Bentang)		Cb	Cek Profil		Mr (K-in)	Mn paku (K-in)	Min (K-in)	φMn (K-in)	Max (K-in)	Cek Kapasitas	Rasio
			(in)	(in)		Ksf	Ksf						Sayap	Badan							
20	W16x26	1591	3	118.11	55.875	1480.3	0.038	0.038	158	Lp<Lb<Lr	2.11		Kompak	Kompak	996.941	2597.9	1591.2	1432.08	775.412	Aman	0.54
19	W18x35	2394	3	118.11	60.94	1585.2	0.0292	0.0292	175	Lp<Lb<Lr	2.07		Kompak	Kompak	1498.3	4018	2394	2154.6	1688.54	Aman	0.78
18	W18x35	2394	3	118.11	60.94	1585.2	0.0292	0.0292	175	Lp<Lb<Lr	2.13		Kompak	Kompak	1498.3	4150.5	2394	2154.6	1744.47	Aman	0.81
17	W18x35	2394	3	118.11	60.94	1585.2	0.0292	0.0292	175	Lp<Lb<Lr	2.23		Kompak	Kompak	1498.3	4346.3	2394	2154.6	1751.54	Aman	0.81
16	W18x35	2394	3	118.11	60.94	1585.2	0.0292	0.0292	175	Lp<Lb<Lr	2.24		Kompak	Kompak	1498.3	4366.6	2394	2154.6	1913.75	Aman	0.89
15	W18x35	2394	3	118.11	60.94	1585.2	0.0292	0.0292	175	Lp<Lb<Lr	2.25		Kompak	Kompak	1498.3	4375.5	2394	2154.6	1891.87	Aman	0.88
14	W18x35	2394	3	118.11	60.94	1585.2	0.0292	0.0292	175	Lp<Lb<Lr	2.25		Kompak	Kompak	1498.3	4375.2	2394	2154.6	1838.68	Aman	0.85
13	W18x35	2394	3	118.11	63.615	1809.2	0.0164	0.0164	187	Lp<Lb<Lr	2.25		Kompak	Kompak	1777.88	5321.9	2822.4	2540.16	2208.85	Aman	0.91
12	W18x40	2822	3	118.11	63.615	1809.2	0.0164	0.0164	187	Lp<Lb<Lr	2.25		Kompak	Kompak	1777.88	5322.5	2822.4	2540.16	2130.52	Aman	0.87
11	W18x40	2822	3	118.11	63.615	1809.2	0.0164	0.0164	187	Lp<Lb<Lr	2.25		Kompak	Kompak	1777.88	5316.3	2822.4	2540.16	2014.97	Aman	0.79
10	W18x40	2822	3	118.11	63.615	1809.2	0.0164	0.0164	187	Lp<Lb<Lr	2.25		Kompak	Kompak	1777.88	5320.3	2822.4	2540.16	2138.85	Aman	0.84
9	W18x40	2822	3	118.11	63.615	1809.2	0.0164	0.0164	187	Lp<Lb<Lr	2.25		Kompak	Kompak	1777.88	6269.8	3265.2	2938.68	2451.6	Aman	0.83
8	W18x46	3265	3	118.11	64.55	2054.1	0.0098	0.0098	199	Lp<Lb<Lr	2.26		Kompak	Kompak	2045.52	6269.8	3265.2	2938.68	2451.6	Aman	0.83

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7	W18x46	3265	3	118.11	64.55	2064.1	0.0098	199	Lp<Lb<Lr	2.26	Kompak	Kompak	2045.52	6288.1	3265.2	2938.68	2325.8	Aman	0.79
6	W18x46	3265	3	118.11	64.55	2064.1	0.0098	199	Lp<Lb<Lr	2.25	Kompak	Kompak	2045.52	6258.1	3265.2	2938.68	2143.14	Aman	0.73
5	W18x46	3265	3	118.11	64.55	2064.1	0.0098	199	Lp<Lb<Lr	2.25	Kompak	Kompak	2045.52	6282.1	3265.2	2938.68	2217.75	Aman	0.75
4	W18x50	3636	3	118.11	82.58	1922	0.012	245	Lp<Lb<Lr	2.26	Kompak	Kompak	2311.11	7548.1	3636	3272.4	2467.73	Aman	0.75
3	W18x50	3636	3	118.11	82.58	1922	0.012	245	Lp<Lb<Lr	2.25	Kompak	Kompak	2311.11	7539.1	3636	3272.4	2360.27	Aman	0.72
2	W18x50	3636	3	118.11	82.58	1922	0.012	245	Lp<Lb<Lr	2.25	Kompak	Kompak	2311.11	7532.5	3636	3272.4	2180.4	Aman	0.67
1	W18x50	3636	3	118.11	82.58	1922	0.012	245	Lp<Lb<Lr	2.24	Kompak	Kompak	2311.11	7501.5	3636	3272.4	2073.95	Aman	0.63

Balok B3

Lantai	Profil	Mp (K-In)	Lb		Lp (in)	X3 Ksl	X2 Ksl	Lr (in)	Ketegangan (ksi)	Cb	Cek Profil		Mr (K-In)	Mn (K-In)	Mn pakat (K-In)	φMn (K-In)	Mu,b (K-In)	Cek Kapasitas	Rasio
			(m)	(in)							Sayap	Badan							
20	W10x33	1397	6	236.22	97.075	2708.7	0.0025	328	Lp<Lb<Lr	2.3	Kompak	Kompak	913.874	2544.3	1398.8	1257.12	289.392	Aman	0.23
19	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	681.496	Aman	0.72
18	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	676.581	Aman	0.71
17	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	680.727	Aman	0.72
16	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	684.2	Aman	0.72
15	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	684.248	Aman	0.72
14	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	683.853	Aman	0.72
13	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	684.912	Aman	0.72
12	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	685.938	Aman	0.72
11	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	680.488	Aman	0.72
10	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	675.016	Aman	0.71
9	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	670.83	Aman	0.71
8	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	666.422	Aman	0.7
7	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	663.581	Aman	0.69
6	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	640.774	Aman	0.67
5	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	629.155	Aman	0.66
4	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	616.971	Aman	0.65
3	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	612.008	Aman	0.64
2	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	613.401	Aman	0.65
1	W12x22	1055	6	236.22	42.4	2173.7	0.0082	134	Lb>Lr	2.3	Kompak	Kompak	659.513	4161.5	1054.8	949.32	621.5	Aman	0.65

Balok B4

Lantai	Profil	Mp (K-In)	Lb		Lp (in)	X3 Ksl	X2 Ksl	Lr (in)	Ketegangan (ksi)	Cb	Cek Profil		Mr (K-In)	Mn (K-In)	Mn pakat (K-In)	φMn (K-In)	Mu,b (K-In)	Cek Kapasitas	Rasio
			(m)	(in)							Sayap	Badan							
20	W10x33	1397	6	236.22	97.075	2708.7	0.0025	328	Lp<Lb<Lr	2.3	Kompak	Kompak	913.874	2544.3	1396.8	1257.12	464.228	Aman	0.37
19	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1511.6	1396.44	1041.09	Aman	0.75
18	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1511.6	1396.44	1034.03	Aman	0.74
17	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1511.6	1396.44	1018.87	Aman	0.73
16	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1511.6	1396.44	1024.2	Aman	0.73
15	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1511.6	1396.44	1030.83	Aman	0.74
14	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1511.6	1396.44	1022.93	Aman	0.73
13	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1511.6	1396.44	1022.7	Aman	0.73

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12	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1551.6	1396.44	1018.33	Aman	0.73
11	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1551.6	1396.44	1020.01	Aman	0.73
10	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1551.6	1396.44	1011.21	Aman	0.72
9	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1551.6	1396.44	1007.85	Aman	0.72
8	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1551.6	1396.44	1004.81	Aman	0.72
7	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1551.6	1396.44	1002.13	Aman	0.72
6	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1551.6	1396.44	988.093	Aman	0.71
5	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1551.6	1396.44	978.99	Aman	0.7
4	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1551.6	1396.44	967.251	Aman	0.69
3	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7477.4	1551.6	1396.44	961.752	Aman	0.69
2	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.29	Kompak	Kompak	1006.18	7438.6	1551.6	1396.44	951.567	Aman	0.68
1	W12x30	1552	6	236.22	75.985	2072.4	0.0078	227	Lb>Lr	2.3	Kompak	Kompak	1006.18	7467.5	1551.6	1396.44	964.446	Aman	0.69

LAMPIRAN B -7

Tabel Gaya Geser Rencana Balok Open Frame

Balok B1

Lantai	Profil	L' (m)	Geser Balok (Kips)			Mpb (K-in)	Geser Rencana Balok (Kips)		Vu pakai (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W16X31	221.62	5.14	1.48	1.62	2138.4	7.398168	13.388	7.398168
19	W18x40	221.62	13.04	3.52	3.42	3104.64	18.11965	31.088	18.11965
18	W18x40	221.62	13.6	3.69	5.64	3104.64	18.87665	40.725	18.87665
17	W18x40	221.62	13.61	3.7	6.96	3104.64	18.89365	46.022	18.89365
16	W18x40	221.62	13.87	3.77	9.14	3104.64	19.24065	55.089	19.24065
15	W18x40	220.72	13.85	3.76	10.51	3104.64	19.21455	60.54	19.21455
14	W18x40	220.72	13.76	3.73	11.91	3104.64	19.09155	66.017	19.09155
13	W18x40	220.72	13.68	3.71	13.02	3104.64	18.98555	70.351	18.98555
12	W18x46	220.72	13.86	3.75	15.3	3591.72	19.33366	79.707	19.33366
11	W18x46	220.72	13.77	3.72	16.22	3591.72	19.21066	83.264	19.21066
10	W18x46	220.32	13.63	3.68	17.2	3591.72	19.02416	86.996	19.02416
9	W18x46	220.32	13.48	3.63	17.8	3591.72	18.81916	89.191	18.81916
8	W18x50	220.32	13.38	3.59	18.3	3999.6	18.7732	91.051	18.7732
7	W18x50	220.32	13.25	3.55	18.56	3999.6	18.5972	91.915	18.5972
6	W18x50	220.32	13.06	3.48	19.06	3999.6	18.3342	93.652	18.3342
5	W18x50	220.02	12.87	3.42	19.19	3999.6	18.07746	93.914	18.07746
4	W18x50	220.02	12.8	3.38	20.58	3999.6	17.97346	99.37	17.97346
3	W18x50	220.02	12.58	3.31	20.11	3999.6	17.67446	97.191	17.67446
2	W18x50	220.02	12.31	3.22	18.92	3999.6	17.30546	92.062	17.30546
1	W18x50	220.02	11.98	3.11	14.59	3999.6	16.85446	74.291	16.85446

Balok B2

Lantai	Profil	L' (m)	Geser Balok (Kips)			Mpb (K-in)	Geser Rencana Balok (Kips)		Vu pakai (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W18X35	221.52	9.69	2.95	2.34	2633.4	13.7069	22.463	13.706905
19	W21X50	221.52	20.32	7.07	5.56	4356	28.91794	50.159	28.91794
18	W21X55	221.52	20.97	7.33	8.27	4989.6	29.97324	61.909	29.973241
17	W21X55	221.52	21.07	7.37	10.18	4989.6	30.11324	69.689	30.113241
16	W24X55	221.52	21.49	7.54	13.69	5346	30.78397	84.318	30.783972
15	W24X55	220.62	21.45	7.52	15.75	5346	30.73097	92.5	30.730973
14	W24X55	220.62	21.3	7.46	17.87	5346	30.52097	100.77	30.520973
13	W24X55	220.62	21.15	7.41	19.55	5346	30.31597	107.285	30.315973
12	W24X62	220.62	21.42	7.5	22.9	6098.4	30.85822	121.054	30.858221
11	W24X62	220.62	21.25	7.43	24.26	6098.4	30.61922	126.255	30.619221
10	W24X62	220.12	21	7.33	25.72	6098.4	30.27241	131.745	30.272411
9	W24X62	220.12	20.73	7.23	26.72	6098.4	29.89841	135.371	29.898411
8	W24X68	220.12	20.85	7.26	30.31	7009.2	30.26761	149.89	30.267609
7	W24X68	220.12	20.6	7.17	31.04	7009.2	29.92261	152.465	29.922609
6	W24X68	220.12	20.24	7.02	31.83	7009.2	29.41561	155.118	29.415609
5	W24X68	219.72	19.86	6.88	32.08	7009.2	28.89255	155.592	28.892554
4	W24X76	219.72	19.7	6.79	34.8	7920	28.86613	166.235	28.866134
3	W24X76	219.72	19.31	6.63	34.05	7920	28.31813	162.687	28.318134
2	W24X76	219.72	18.87	6.45	32.03	7920	27.70013	153.989	27.700134
1	W24X76	219.72	18.3	6.23	24.63	7920	26.90613	123.595	26.906134

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Balok B3

Lantai	Profil	L' (m)	Geser Balok (Kips)			M _{pb} (K-in)	Geser Rencana Balok (Kips)		Vu pakai (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W16X26	221.92	2.77	0.84	0.26	1750.32	4.144669	4.784	4.1446689
19	W16X26	221.92	8.69	1.96	0.37	1750.32	11.80867	12.888	11.808669
18	W16X26	221.92	8.74	1.97	0.44	1750.32	11.87367	13.233	11.873669
17	W16X26	221.92	8.74	1.97	0.5	1750.32	11.87367	13.473	11.873669
16	W16X26	221.92	8.73	1.97	0.57	1750.32	11.86167	13.741	11.861669
15	W16X26	221.02	8.73	1.96	0.62	1750.32	11.8583	13.936	11.8583
14	W16X26	221.02	8.72	1.96	0.69	1750.32	11.8463	14.204	11.8463
13	W16X26	221.02	8.71	1.95	0.74	1750.32	11.8293	14.387	11.8293
12	W16X26	221.02	8.7	1.95	0.76	1750.32	11.8173	14.455	11.8173
11	W16X26	221.02	8.69	1.94	0.79	1750.32	11.8003	14.558	11.8003
10	W16X26	220.22	8.67	1.94	0.83	1750.32	11.77776	14.694	11.777762
9	W16X26	220.22	8.66	1.93	0.85	1750.32	11.76076	14.757	11.760762
8	W16X26	220.22	8.64	1.92	0.86	1750.32	11.73176	14.768	11.731762
7	W16X26	220.22	8.63	1.91	0.87	1750.32	11.71476	14.791	11.714762
6	W16X26	220.22	8.61	1.9	0.88	1750.32	11.68576	14.802	11.685762
5	W16X26	219.52	8.6	1.89	0.87	1750.32	11.67005	14.745	11.670049
4	W16X26	219.52	8.58	1.88	0.84	1750.32	11.64105	14.596	11.641049
3	W16X26	219.52	8.56	1.87	0.8	1750.32	11.61205	14.407	11.612049
2	W16X26	219.52	8.54	1.86	0.73	1750.32	11.58305	14.098	11.583049
1	W16X26	219.52	8.58	1.85	0.55	1750.32	11.62605	13.421	11.626049

Balok B4

Lantai	Profil	L' (m)	Geser Balok (Kips)			M _{pb} (K-in)	Geser Rencana Balok (Kips)		Vu pakai (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W16X31	221.72	5.27	1.67	0.14	2138.4	7.6489465	7.719	7.6489
19	W16X31	221.72	12.44	3.9	0.19	2138.4	17.367946	17.638	17.368
18	W16X31	221.72	12.48	3.91	0.23	2138.4	17.420946	17.851	17.421
17	W16X31	221.72	12.47	3.91	0.26	2138.4	17.408946	17.959	17.409
16	W16X31	221.72	12.46	3.91	0.3	2138.4	17.396946	18.107	17.397
15	W16X31	221.22	12.46	3.9	0.33	2138.4	17.393054	18.222	17.393
14	W16X31	221.22	12.44	3.89	0.37	2138.4	17.364054	18.353	17.364
13	W16X31	221.22	12.42	3.88	0.4	2138.4	17.335054	18.444	17.335
12	W16X31	221.22	12.41	3.87	0.41	2138.4	17.318054	18.467	17.318
11	W16X31	221.22	12.39	3.86	0.43	2138.4	17.289054	18.518	17.289
10	W16X31	219.52	12.36	3.85	0.45	2138.4	17.251857	18.557	17.252
9	W16X31	219.52	12.33	3.83	0.47	2138.4	17.205857	18.591	17.206
8	W16X31	219.52	12.3	3.82	0.47	2138.4	17.164857	18.55	17.165
7	W16X31	219.52	12.28	3.8	0.48	2138.4	17.130857	18.556	17.131
6	W16X31	219.52	12.25	3.79	0.49	2138.4	17.089857	18.555	17.09
5	W16X31	218.32	12.22	3.77	0.49	2138.4	17.046577	18.509	17.047
4	W16X31	218.32	12.19	3.75	0.47	2138.4	17.000577	18.383	17.001
3	W16X31	218.32	12.17	3.73	0.45	2138.4	16.966577	18.269	16.967
2	W16X31	218.32	12.15	3.71	0.41	2138.4	16.932577	18.075	16.933
1	W16X31	218.32	12.21	3.71	0.32	2138.4	17.004577	17.787	17.005

LAMPIRAN B-8

Tabel Gaya Geser Rencana Balok Belt Truss and Outrigger Frame (BOF)

Balok B1

Lantai	Profil	L' (in)	Geser Balok (Kips)			Mpb (K-in)	Geser Rencana Balok (Kips)		Vu pakai (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W16x26	221.32	4.51	1.29	0.02	1750.32	21.8741	6.137	6.137
19	W16x31	221.32	11.93	3.19	0.48	2138.4	35.2351	17.831	17.831
18	W16x31	221.32	12.16	3.25	1	2138.4	35.5411	20.217	20.217
17	W16x31	221.32	12.17	3.26	1.08	2138.4	35.5581	20.554	20.554
16	W16x36	221.32	12.32	3.31	1.54	2534.4	39.3416	22.599	22.599
15	W16x36	220.62	12.34	3.32	1.57	2534.4	39.4433	22.748	22.748
14	W16x36	220.62	12.3	3.3	1.54	2534.4	39.3853	22.57	22.57
13	W16x36	220.62	12.25	3.29	1.58	2534.4	39.3203	22.665	22.665
12	W16x36	220.37	12.27	3.29	1.77	2534.4	39.3703	23.449	23.449
11	W16x36	220.37	12.21	3.26	1.89	2534.4	39.2833	23.842	23.842
10	W16x36	220.37	12.1	3.23	0.96	2534.4	39.1363	19.975	19.975
9	W16x36	220.37	12.04	3.21	0.96	2534.4	39.0543	19.893	19.893
8	W16x40	219.87	12.06	3.22	2.15	2890.8	42.3775	24.682	24.682
7	W16x40	219.87	12.08	3.22	2.08	2890.8	42.4015	24.426	24.426
6	W16x40	219.87	12.05	3.2	2.03	2890.8	42.3555	24.18	24.18
5	W16x40	219.87	12.01	3.18	1.81	2890.8	42.2975	23.242	23.242
4	W16x45	219.47	11.99	3.16	1.6	3259.08	45.6675	22.368	22.368
3	W16x45	219.47	11.94	3.14	1.47	3259.08	45.5975	21.778	21.778
2	W16x45	219.47	11.94	3.1	1.29	3259.08	45.5775	21.038	21.038
1	W16x45	219.47	12.09	3.13	1.23	3259.08	45.7725	20.993	20.993

Balok B2

Lantai	Profil	L' (in)	Geser Balok (Kips)			Mpb (K-in)	Geser Rencana Balok (Kips)		Vu pakai (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W16x26	221.12	8.61	2.61	0.05	1750.32	27.4684	11.837	11.837
19	W18x35	221.12	18.27	6.45	1.02	2633.4	48.9677	29.229	29.229
18	W18x35	221.12	18.45	6.55	1.83	2633.4	49.2337	32.735	32.735
17	W18x35	221.12	18.47	6.56	2.03	2633.4	49.2627	33.564	33.564
16	W18x40	221.12	18.56	6.6	2.3	3104.64	53.653	34.772	34.772
15	W18x40	219.47	18.61	6.62	2.35	3104.64	53.9342	35.042	35.042
14	W18x40	219.47	18.58	6.6	2.34	3104.64	53.8882	34.956	34.956
13	W18x40	219.47	18.55	6.58	2.42	3104.64	53.8422	35.23	35.23
12	W18x40	219.07	18.64	6.62	2.77	3104.64	54.0218	36.758	36.758
11	W18x40	219.07	18.63	6.61	2.91	3104.64	54.0048	37.301	37.301
10	W18x40	219.07	18.56	6.57	1.52	3104.64	53.9008	31.637	31.637
9	W18x40	219.07	18.46	6.52	1.54	3104.64	53.7558	31.572	31.572
8	W18x46	218.72	18.47	6.54	3.39	3591.72	58.2771	38.994	38.994
7	W18x46	218.72	18.4	6.5	3.3	3591.72	58.1731	38.53	38.53
6	W18x46	218.72	18.28	6.44	3.23	3591.72	57.9991	38.076	38.076
5	W18x46	218.72	18.14	6.37	2.94	3591.72	57.7961	36.713	36.713
4	W18x50	218.17	18.16	6.32	2.9	3999.6	61.617	36.552	36.552
3	W18x50	218.17	18.22	6.26	2.71	3999.6	61.659	35.834	35.834
2	W18x50	218.17	18.3	6.19	2.42	3999.6	61.72	34.735	34.735
1	W18x50	218.17	18.5	6.27	2.23	3999.6	62	34.255	34.255

Balok B3

Lantai	Profil	L' (in)	Geser Balok (Kips)			Mpb (K-in)	Geser Rencana Balok (Kips)		Vu pakat (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W10x33	221.57	2.64	0.74	0	1536.48	17.407	3.538	3.538
19	W12x26	221.57	9.1	1.85	0.05	1473.12	25.1421	12.045	12.045
18	W12x26	221.57	9.01	1.87	0.09	1473.12	25.0441	12.107	12.107
17	W12x26	221.57	9.01	1.88	0.11	1473.12	25.0491	12.192	12.192
16	W12x26	221.57	9.02	1.88	0.12	1473.12	25.0611	12.244	12.244
15	W12x26	220.42	9.03	1.88	0.13	1473.12	25.1425	12.296	12.296
14	W12x26	220.42	9.03	1.88	0.14	1473.12	25.1425	12.336	12.336
13	W12x26	220.42	9.02	1.88	0.15	1473.12	25.1305	12.364	12.364
12	W12x26	220.42	9.02	1.88	0.16	1473.12	25.1305	12.404	12.404
11	W12x26	220.42	9.02	1.88	0.16	1473.12	25.1305	12.404	12.404
10	W12x26	220.32	9	1.87	0.05	1473.12	25.1075	11.935	11.935
9	W12x26	220.32	9.01	1.87	0.06	1473.12	25.1195	11.987	11.987
8	W12x26	220.32	9	1.87	0.18	1473.12	25.1075	12.455	12.455
7	W12x26	220.32	9.01	1.87	0.19	1473.12	25.1195	12.507	12.507
6	W12x26	220.32	9	1.87	0.2	1473.12	25.1075	12.535	12.535
5	W12x26	220.22	9.01	1.86	0.2	1473.12	25.1206	12.542	12.542
4	W12x26	220.22	9.01	1.86	0.2	1473.12	25.1206	12.542	12.542
3	W12x26	220.22	9.02	1.85	0.2	1473.12	25.1276	12.549	12.549
2	W12x26	220.22	9.03	1.85	0.19	1473.12	25.1396	12.521	12.521
1	W12x26	220.22	9.07	1.86	0.17	1473.12	25.1926	12.494	12.494

Balok B4

Lantai	Profil	L' (in)	Geser Balok (Kips)			Mpb (K-in)	Geser Rencana Balok (Kips)		Vu pakat (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W10x33	220.47	2.14	0.69	0.05	1536.48	16.851	3.113	3.113
19	W12x30	220.47	12.65	3.76	0.08	1706.76	32.543	17.38	17.38
18	W12x30	220.47	12.62	3.78	0.09	1706.76	32.517	17.394	17.394
17	W12x30	220.47	12.68	3.76	0.1	1706.76	32.579	17.496	17.496
16	W12x30	220.47	12.62	3.77	0.11	1706.76	32.512	17.469	17.469
15	W12x30	220.12	12.62	3.78	0.12	1706.76	32.542	17.514	17.514
14	W12x30	220.12	12.62	3.78	0.12	1706.76	32.542	17.514	17.514
13	W12x30	220.12	12.61	3.77	0.13	1706.76	32.525	17.537	17.537
12	W12x30	220.12	12.64	3.78	0.13	1706.76	32.566	17.578	17.578
11	W12x30	220.12	12.63	3.76	0.13	1706.76	32.544	17.556	17.556
10	W12x30	220.02	4.47	1.28	0.11	1706.76	21.519	6.444	6.444
9	W12x30	220.02	12.65	3.74	0.07	1706.76	32.565	17.33	17.33
8	W12x30	220.02	12.65	3.76	0.14	1706.76	32.575	17.62	17.62
7	W12x30	220.02	12.63	3.75	0.14	1706.76	32.546	17.591	17.591
6	W12x30	220.02	12.61	3.74	0.14	1706.76	32.517	17.562	17.562
5	W12x30	219.87	12.62	3.73	0.13	1706.76	32.534	17.529	17.529
4	W12x30	219.87	12.63	3.72	0.13	1706.76	32.541	17.536	17.536
3	W12x30	219.87	12.64	3.71	0.12	1706.76	32.548	17.503	17.503
2	W12x30	219.87	12.65	3.7	0.12	1706.76	32.555	17.51	17.51
1	W12x30	219.87	12.7	3.72	0.1	1706.76	32.625	17.5	17.5

LAMPIRAN B -9

Tabel Gaya Geser Rencana Balok Global Brace

Balok B1									
Lantai	Profil	L' (In)	Geser Balok (Kips)			Mpb (K-In)	Geser Rencana Balok (Kips)		Vu pakai (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W16x26	221.32	4.44	1.25	0.03	1750.32	21.7701	6.073	6.073
19	W16x26	221.32	11.74	3.1	0.09	1750.32	31.4551	15.998	15.998
18	W16x26	221.32	11.9	3.14	0.16	1750.32	31.6671	16.49	16.49
17	W16x26	221.32	11.86	3.12	0.17	1750.32	31.6091	16.472	16.472
16	W16x31	221.32	11.87	3.14	0.64	2138.4	35.13806	18.374	18.374
15	W16x31	220.62	11.93	3.14	0.49	2138.4	35.27137	17.846	17.846
14	W16x31	220.62	11.91	3.14	0.34	2138.4	35.24737	17.222	17.222
13	W16x31	220.62	11.85	3.12	0.69	2138.4	35.16537	18.54	18.54
12	W16x31	220.37	11.86	3.13	1.23	2138.4	35.20436	20.717	20.717
11	W16x31	220.37	11.92	3.13	0.99	2138.4	35.27636	19.829	19.829
10	W16x31	220.37	11.86	3.12	0.71	2138.4	35.19936	18.632	18.632
9	W16x31	220.37	11.93	3.09	1.03	2138.4	35.26836	19.981	19.981
8	W16x36	219.87	12.03	3.1	1.75	2534.4	39.03962	22.986	22.986
7	W16x36	219.87	11.91	3.1	1.56	2534.4	38.89562	22.082	22.082
6	W16x36	219.87	11.96	3.1	1.24	2534.4	38.95562	20.862	20.862
5	W16x36	219.87	12.03	3.11	1.49	2534.4	39.04462	21.951	21.951
4	W16x40	219.47	12.02	3.09	2.08	2890.8	42.31246	24.289	24.289
3	W16x40	219.47	11.94	3.09	2.15	2890.8	42.21646	24.473	24.473
2	W16x40	219.47	12.03	3.12	2.04	2890.8	42.33946	24.156	24.156
1	W16x40	219.47	12.21	3.17	1.94	2890.8	42.58046	23.997	23.997

Balok B2									
Lantai	Profil	L' (In)	Geser Balok (Kips)			Mpb (K-In)	Geser Rencana Balok (Kips)		Vu pakai (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W16x26	221.12	8.69	2.73	1.1	1750.32	27.6244	16.193	16.193
19	W18x35	221.12	18.5	6.68	1.94	2633.4	49.3587	33.3	33.3
18	W18x35	221.12	18.67	6.77	1.96	2633.4	49.6077	33.629	33.629
17	W18x35	221.12	18.67	6.76	2.59	2633.4	49.6027	36.144	36.144
16	W18x35	221.12	18.76	6.79	3.32	2633.4	49.7257	39.187	39.187
15	W18x35	219.47	18.79	6.8	3.12	2633.4	49.9458	38.428	38.428
14	W18x35	219.47	18.75	6.77	2.83	2633.4	49.8828	37.205	37.205
13	W18x35	219.47	18.71	6.74	3.42	2633.4	49.8198	39.502	39.502
12	W18x40	219.07	18.8	6.79	4.52	3104.64	54.2988	44.035	44.035
11	W18x40	219.07	18.78	6.76	4.09	3104.64	54.2598	42.276	42.276
10	W18x40	219.07	18.7	6.71	3.5	3104.64	54.1388	39.795	39.795
9	W18x40	219.07	18.62	6.66	4.02	3104.64	54.0178	41.754	41.754
8	W18x46	218.72	18.63	6.69	5.36	3591.72	58.5441	47.141	47.141
7	W18x46	218.72	18.54	6.63	4.77	3591.72	58.4061	44.643	44.643
6	W18x46	218.72	18.39	6.55	3.92	3591.72	58.1861	41.023	41.023
5	W18x46	218.72	18.24	6.46	4.18	3591.72	57.9611	41.838	41.838
4	W18x50	218.17	18.15	6.4	5.21	3999.6	61.645	45.82	45.82
3	W18x50	218.17	18.16	6.32	4.72	3999.6	61.617	43.832	43.832
2	W18x50	218.17	18.26	6.23	3.84	3999.6	61.692	40.387	40.387
1	W18x50	218.17	18.48	6.25	3.36	3999.6	61.966	38.741	38.741

LAMPIRAN B -9

Balok B3

Lantai	Profil	L' (m)	Geser Balok (Kips)			Mpb (K-in)	Geser Rencana Balok (Kips)		Vu pakai (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W10x33	221.57	2.71	0.81	0.72	1536.48	17.526	6.537	6.537
19	W12x22	221.57	9.04	1.93	0.88	1160.28	22.2863	15.333	15.333
18	W12x22	221.57	9.12	1.94	0.9	1160.28	22.3873	15.514	15.514
17	W12x22	221.57	9.1	1.94	0.88	1160.28	22.3633	15.41	15.41
16	W12x22	221.57	9.1	1.94	0.87	1160.28	22.3633	15.37	15.37
15	W12x22	220.42	9.1	1.94	0.88	1160.28	22.4179	15.41	15.41
14	W12x22	220.42	9.1	1.93	0.88	1160.28	22.4129	15.405	15.405
13	W12x22	220.42	9.09	1.93	0.85	1160.28	22.4009	15.273	15.273
12	W12x22	220.42	9.09	1.93	0.82	1160.28	22.4009	15.153	15.153
11	W12x22	220.42	9.08	1.92	0.8	1160.28	22.3839	15.056	15.056
10	W12x22	220.32	9.08	1.92	0.78	1160.28	22.3887	14.976	14.976
9	W12x22	220.32	9.06	1.91	0.72	1160.28	22.3597	14.707	14.707
8	W12x22	220.32	9.06	1.91	0.67	1160.28	22.3597	14.507	14.507
7	W12x22	220.32	9.05	1.9	0.61	1160.28	22.3427	14.25	14.25
6	W12x22	220.32	9.04	1.89	0.56	1160.28	22.3257	14.033	14.033
5	W12x22	220.22	9.02	1.88	0.47	1160.28	22.3015	13.644	13.644
4	W12x22	220.22	9.01	1.87	0.39	1160.28	22.2845	13.307	13.307
3	W12x22	220.22	9.01	1.87	0.28	1160.28	22.2845	12.867	12.867
2	W12x22	220.22	9.02	1.86	0.18	1160.28	22.2915	12.474	12.474
1	W12x22	220.22	9.07	1.86	0.07	1160.28	22.3515	12.094	12.094

Balok B4

Lantai	Profil	L' (m)	Geser Balok (Kips)			Mpb (K-in)	Geser Rencana Balok (Kips)		Vu pakai (Kips)
			VD	VL	VE		Pers (1)	Pers (2)	
20	W10x33	220.47	5.29	1.72	0.44	1536.48	21.146	8.968	8.968
19	W12x30	220.47	12.91	3.96	0.52	1706.76	32.955	19.552	19.552
18	W12x30	220.47	12.89	3.95	0.51	1706.76	32.926	19.483	19.483
17	W12x30	220.47	12.84	3.93	0.49	1706.76	32.856	19.333	19.333
16	W12x30	220.47	12.86	3.94	0.47	1706.76	32.885	19.282	19.282
15	W12x30	220.12	12.88	3.94	0.47	1706.76	32.934	19.306	19.306
14	W12x30	220.12	12.85	3.93	0.46	1706.76	32.893	19.225	19.225
13	W12x30	220.12	12.85	3.92	0.43	1706.76	32.888	19.1	19.1
12	W12x30	220.12	12.84	3.91	0.4	1706.76	32.871	18.963	18.963
11	W12x30	220.12	12.84	3.9	0.39	1706.76	32.866	18.918	18.918
10	W12x30	220.02	12.81	3.88	0.37	1706.76	32.827	18.792	18.792
9	W12x30	220.02	12.8	3.87	0.33	1706.76	32.81	18.615	18.615
8	W12x30	220.02	12.79	3.86	0.28	1706.76	32.793	18.398	18.398
7	W12x30	220.02	12.78	3.84	0.27	1706.76	32.771	18.336	18.336
6	W12x30	220.02	12.72	3.81	0.24	1706.76	32.684	18.129	18.129
5	W12x30	219.87	12.68	3.79	0.19	1706.76	32.636	17.871	17.871
4	W12x30	219.87	12.63	3.76	0.14	1706.76	32.561	17.596	17.596
3	W12x30	219.87	12.61	3.74	0.11	1706.76	32.527	17.442	17.442
2	W12x30	219.87	12.61	3.72	0.07	1706.76	32.517	17.272	17.272
1	W12x30	219.87	12.68	3.71	0.03	1706.76	32.596	17.191	17.191

LAMPIRAN B -10

Tabel Gaya Geser Nominal Balok Open Frame

B1

Lantai	Profil	V_u Rencana (Kips)	h (in)	t_w (in)	h/t_w	V_n (Kips)	ϕV_n (Kips)	Cek Geser	Ratio
20	W16X31	7.398168	15.105	0.275	54.927	89.724	80.7513	Aman	0.09162
19	W18x40	18.11965	17.005	0.315	53.984	115.7	104.132	Aman	0.17401
18	W18x40	18.87665	17.005	0.315	53.984	115.7	104.132	Aman	0.18128
17	W18x40	18.89365	17.005	0.315	53.984	115.7	104.132	Aman	0.18144
16	W18x40	19.24065	17.005	0.315	53.984	115.7	104.132	Aman	0.18477
15	W18x40	19.21455	17.005	0.315	53.984	115.7	104.132	Aman	0.18452
14	W18x40	19.09155	17.005	0.315	53.984	115.7	104.132	Aman	0.18334
13	W18x40	18.98555	17.005	0.315	53.984	115.7	104.132	Aman	0.18232
12	W18x46	19.33366	17.195	0.36	47.764	133.71	120.337	Aman	0.16066
11	W18x46	19.21066	17.195	0.36	47.764	133.71	120.337	Aman	0.15964
10	W18x46	19.02416	17.195	0.36	47.764	133.71	120.337	Aman	0.15809
9	W18x46	18.81916	17.195	0.36	47.764	133.71	120.337	Aman	0.15639
8	W18x50	18.7732	17.1	0.355	48.169	131.12	118.011	Aman	0.15908
7	W18x50	18.5972	17.1	0.355	48.169	131.12	118.011	Aman	0.15759
6	W18x50	18.3342	17.1	0.355	48.169	131.12	118.011	Aman	0.15536
5	W18x50	18.07746	17.1	0.355	48.169	131.12	118.011	Aman	0.15319
4	W18x50	17.97346	17.1	0.355	48.169	131.12	118.011	Aman	0.1523
3	W18x50	17.67446	17.1	0.355	48.169	131.12	118.011	Aman	0.14977
2	W18x50	17.30546	17.1	0.355	48.169	131.12	118.011	Aman	0.14664
1	W18x50	16.85446	17.1	0.355	48.169	131.12	118.011	Aman	0.14282

B2

Lantai	Profil	V_u Rencana (Kips)	h (in)	t_w (in)	h/t_w	V_n (Kips)	ϕV_n (Kips)	Cek Geser	Ratio
20	W18X35	13.7069	16.815	0.3	56.05	108.961	98.0651	Aman	0.139774
19	W21X50	28.9179	19.76	0.38	52	162.19	145.971	Aman	0.198107
18	W21X55	29.9732	19.76	0.375	52.6933	160.056	144.05	Aman	0.208075
17	W21X55	30.1132	19.76	0.375	52.6933	160.056	144.05	Aman	0.209047
16	W24X55	30.784	22.42	0.395	56.7595	191.287	172.159	Aman	0.178812
15	W24X55	30.731	22.42	0.395	56.7595	191.287	172.159	Aman	0.178504
14	W24X55	30.521	22.42	0.395	56.7595	191.287	172.159	Aman	0.177284
13	W24X55	30.316	22.42	0.395	56.7595	191.287	172.159	Aman	0.176093
12	W24X62	30.8582	22.515	0.43	52.3605	209.119	188.207	Aman	0.163959
11	W24X62	30.6192	22.515	0.43	52.3605	209.119	188.207	Aman	0.162689
10	W24X62	30.2724	22.515	0.43	52.3605	209.119	188.207	Aman	0.160846
9	W24X62	29.8984	22.515	0.43	52.3605	209.119	188.207	Aman	0.158859
8	W24X68	30.2676	22.515	0.415	54.253	201.824	181.642	Aman	0.166633
7	W24X68	29.9226	22.515	0.415	54.253	201.824	181.642	Aman	0.164734
6	W24X68	29.4156	22.515	0.415	54.253	201.824	181.642	Aman	0.161943
5	W24X68	28.8926	22.515	0.415	54.253	201.824	181.642	Aman	0.159063
4	W24X76	28.8661	22.705	0.44	51.6023	215.788	194.209	Aman	0.148634
3	W24X76	28.3181	22.705	0.44	51.6023	215.788	194.209	Aman	0.145812
2	W24X76	27.7001	22.705	0.44	51.6023	215.788	194.209	Aman	0.14263
1	W24X76	26.9061	22.705	0.44	51.6023	215.788	194.209	Aman	0.138542

LAMPIRAN B -10

B3

Lantai	Profil	Vu Rencana	h	tw	h/tw	Vn	ΦVn	Cek Geser	Rasio
		(Kips)	(in)	(in)		(Kips)	(Kips)		
20	W16X26	4.1447	14.915	0.25	59.66	80.541	72.4869	Aman	0.05718
19	W16X26	11.809	14.915	0.25	59.66	80.541	72.4869	Aman	0.16291
18	W16X26	11.874	14.915	0.25	59.66	80.541	72.4869	Aman	0.1638
17	W16X26	11.874	14.915	0.25	59.66	80.541	72.4869	Aman	0.1638
16	W16X26	11.862	14.915	0.25	59.66	80.541	72.4869	Aman	0.16364
15	W16X26	11.858	14.915	0.25	59.66	80.541	72.4869	Aman	0.16359
14	W16X26	11.846	14.915	0.25	59.66	80.541	72.4869	Aman	0.16343
13	W16X26	11.829	14.915	0.25	59.66	80.541	72.4869	Aman	0.16319
12	W16X26	11.817	14.915	0.25	59.66	80.541	72.4869	Aman	0.16303
11	W16X26	11.8	14.915	0.25	59.66	80.541	72.4869	Aman	0.16279
10	W16X26	11.778	14.915	0.25	59.66	80.541	72.4869	Aman	0.16248
9	W16X26	11.761	14.915	0.25	59.66	80.541	72.4869	Aman	0.16225
8	W16X26	11.732	14.915	0.25	59.66	80.541	72.4869	Aman	0.16185
7	W16X26	11.715	14.915	0.25	59.66	80.541	72.4869	Aman	0.16161
6	W16X26	11.686	14.915	0.25	59.66	80.541	72.4869	Aman	0.16121
5	W16X26	11.67	14.915	0.25	59.66	80.541	72.4869	Aman	0.161
4	W16X26	11.641	14.915	0.25	59.66	80.541	72.4869	Aman	0.1606
3	W16X26	11.612	14.915	0.25	59.66	80.541	72.4869	Aman	0.1602
2	W16X26	11.583	14.915	0.25	59.66	80.541	72.4869	Aman	0.1598
1	W16X26	11.626	14.915	0.25	59.66	80.541	72.4869	Aman	0.16039

B4

Lantai	Profil	Vu Rencana	h	tw	h/tw	Vn	ΦVn	Cek Geser	Rasio
		(Kips)	(in)	(in)		(Kips)	(Kips)		
20	W16X31	7.64895	15.105	0.275	54.927	89.7237	80.7513	Aman	0.09472
19	W16X31	17.3679	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21508
18	W16X31	17.4209	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21574
17	W16X31	17.4089	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21559
16	W16X31	17.3969	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21544
15	W16X31	17.3931	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21539
14	W16X31	17.3641	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21503
13	W16X31	17.3351	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21467
12	W16X31	17.3181	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21446
11	W16X31	17.2891	15.105	0.275	54.927	89.7237	80.7513	Aman	0.2141
10	W16X31	17.2519	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21364
9	W16X31	17.2059	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21307
8	W16X31	17.1649	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21256
7	W16X31	17.1309	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21214
6	W16X31	17.0899	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21164
5	W16X31	17.0466	15.105	0.275	54.927	89.7237	80.7513	Aman	0.2111
4	W16X31	17.0006	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21053
3	W16X31	16.9666	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21011
2	W16X31	16.9326	15.105	0.275	54.927	89.7237	80.7513	Aman	0.20969
1	W16X31	17.0046	15.105	0.275	54.927	89.7237	80.7513	Aman	0.21058

Tabel Gaya Geser Nominal Balok Belt Truss and Outrigger Frame (BOF)

B1

Lantai	Profil	Vu Rencana	h	tw	h/tw	Vn	ϕV_n	Cek Geser	Rasio
		(Kips)	(in)	(in)		(Kips)	(Kips)		
20	W16x26	6.137	14.915	0.25	56.8	80.541	72.4869	Aman	0.08
19	W16x31	17.831	15.105	0.275	51.6	89.7237	80.75133	Aman	0.22
18	W16x31	20.217	15.105	0.275	51.6	89.7237	80.75133	Aman	0.25
17	W16x31	20.554	15.105	0.275	51.6	89.7237	80.75133	Aman	0.25
16	W16x36	22.599	15.105	0.295	48.1	96.2491	86.62415	Aman	0.26
15	W16x36	22.748	15.105	0.295	48.1	96.2491	86.62415	Aman	0.26
14	W16x36	22.57	15.105	0.295	48.1	96.2491	86.62415	Aman	0.26
13	W16x36	22.665	15.105	0.295	48.1	96.2491	86.62415	Aman	0.26
12	W16x36	23.449	15.105	0.295	48.1	96.2491	86.62415	Aman	0.27
11	W16x36	23.842	15.105	0.295	48.1	96.2491	86.62415	Aman	0.28
10	W16x36	19.975	15.105	0.295	48.1	96.2491	86.62415	Aman	0.23
9	W16x36	19.893	15.105	0.295	48.1	96.2491	86.62415	Aman	0.23
8	W16x40	24.682	15.2	0.305	46.6	100.138	90.12384	Aman	0.27
7	W16x40	24.426	15.2	0.305	46.6	100.138	90.12384	Aman	0.27
6	W16x40	24.18	15.2	0.305	46.6	100.138	90.12384	Aman	0.27
5	W16x40	23.242	15.2	0.305	46.6	100.138	90.12384	Aman	0.26
4	W16x45	22.368	15.295	0.345	41.2	113.978	102.5805	Aman	0.22
3	W16x45	21.778	15.295	0.345	41.2	113.978	102.5805	Aman	0.21
2	W16x45	21.038	15.295	0.345	41.2	113.978	102.5805	Aman	0.21
1	W16x45	20.993	15.295	0.345	41.2	113.978	102.5805	Aman	0.2

B2

Lantai	Profil	Vu Rencana	h	tw	h/tw	Vn	ϕV_n	Cek Geser	Rasio
		(Kips)	(in)	(in)		(Kips)	(Kips)		
20	W16x26	11.837	14.915	0.25	59.66	80.541	72.4869	Aman	0.2
19	W18x35	29.229	16.815	0.3	56.05	108.9612	98.0651	Aman	0.3
18	W18x35	32.735	16.815	0.3	56.05	108.9612	98.0651	Aman	0.3
17	W18x35	33.564	16.815	0.3	56.05	108.9612	98.0651	Aman	0.3
16	W18x40	34.772	17.005	0.315	53.984	115.702	104.132	Aman	0.3
15	W18x40	35.042	17.005	0.315	53.984	115.702	104.132	Aman	0.3
14	W18x40	34.956	17.005	0.315	53.984	115.702	104.132	Aman	0.3
13	W18x40	35.23	17.005	0.315	53.984	115.702	104.132	Aman	0.3
12	W18x40	36.758	17.005	0.315	53.984	115.702	104.132	Aman	0.4
11	W18x40	37.301	17.005	0.315	53.984	115.702	104.132	Aman	0.4
10	W18x40	31.637	17.005	0.315	53.984	115.702	104.132	Aman	0.3
9	W18x40	31.572	17.005	0.315	53.984	115.702	104.132	Aman	0.3
8	W18x46	38.994	17.195	0.36	47.764	133.7083	120.337	Aman	0.3
7	W18x46	38.53	17.195	0.36	47.764	133.7083	120.337	Aman	0.3
6	W18x46	38.076	17.195	0.36	47.764	133.7083	120.337	Aman	0.3
5	W18x46	36.713	17.195	0.36	47.764	133.7083	120.337	Aman	0.3
4	W18x50	36.552	17.1	0.355	48.169	131.1228	118.011	Aman	0.3
3	W18x50	35.834	17.1	0.355	48.169	131.1228	118.011	Aman	0.3
2	W18x50	34.735	17.1	0.355	48.169	131.1228	118.011	Aman	0.3
1	W18x50	34.255	17.1	0.355	48.169	131.1228	118.011	Aman	0.3

LAMPIRAN B -11

B3

Lantai	Profil	Vu Rencana	h	tw	h/tw	Vn	ΦV_n	Cek Geser	Rasio
		(Kips)	(in)	(in)		(Kips)	(Kips)		
20	W10x33	3.538	9.2435	0.29	31.87414	57.90128	52.1112	Aman	0.07
19	W12x26	12.045	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.23
18	W12x26	12.107	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.23
17	W12x26	12.192	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
16	W12x26	12.244	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
15	W12x26	12.296	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
14	W12x26	12.336	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
13	W12x26	12.364	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
12	W12x26	12.404	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
11	W12x26	12.404	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
10	W12x26	11.935	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.23
9	W12x26	11.987	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.23
8	W12x26	12.455	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
7	W12x26	12.507	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
6	W12x26	12.535	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
5	W12x26	12.542	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
4	W12x26	12.542	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
3	W12x26	12.549	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
2	W12x26	12.521	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24
1	W12x26	12.494	11.59	0.23	50.3913	57.57912	51.8212	Aman	0.24

B4

Lantai	Profil	Vu Rencana	h	tw	h/tw	Vn	ΦV_n	Cek Geser	Rasio
		(Kips)	(in)	(in)		(Kips)	(Kips)		
20	W10x33	3.113	9.244	0.29	31.8741	57.90128	52.111156	Aman	0.06
19	W12x30	17.38	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.29
18	W12x30	17.394	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.29
17	W12x30	17.496	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
16	W12x30	17.469	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
15	W12x30	17.514	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
14	W12x30	17.514	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
13	W12x30	17.537	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
12	W12x30	17.578	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
11	W12x30	17.556	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
10	W12x30	6.444	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.11
9	W12x30	17.33	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.29
8	W12x30	17.62	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
7	W12x30	17.591	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
6	W12x30	17.562	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
5	W12x30	17.529	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
4	W12x30	17.536	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
3	W12x30	17.503	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
2	W12x30	17.51	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3
1	W12x30	17.5	11.69	0.26	44.9423	65.62296	59.060664	Aman	0.3

Tabel Gaya Geser Nominal Balok Global brace

B1

Lantai	Profil	Vu Rencana	h (in)	tw (in)	h/tw	Vn	ϕV_n	Gek Geser	Rasio
		(Kips)				(Kips)	(Kips)		
20	W16x26	6.073	14.915	0.25	56.8	80.541	72.4869	Aman	0.08
19	W16x26	15.998	14.915	0.25	56.8	80.541	72.4869	Aman	0.22
18	W16x26	16.49	14.915	0.25	56.8	80.541	72.4869	Aman	0.23
17	W16x26	16.472	14.915	0.25	56.8	80.541	72.4869	Aman	0.23
16	W16x31	18.374	15.105	0.275	51.6	89.7237	80.75133	Aman	0.22
15	W16x31	17.846	15.105	0.275	51.6	89.7237	80.75133	Aman	0.21
14	W16x31	17.222	15.105	0.275	51.6	89.7237	80.75133	Aman	0.23
13	W16x31	18.54	15.105	0.275	51.6	89.7237	80.75133	Aman	0.26
12	W16x31	20.717	15.105	0.275	51.6	89.7237	80.75133	Aman	0.25
11	W16x31	19.829	15.105	0.275	51.6	89.7237	80.75133	Aman	0.23
10	W16x31	18.632	15.105	0.275	51.6	89.7237	80.75133	Aman	0.25
9	W16x31	19.981	15.105	0.275	51.6	89.7237	80.75133	Aman	0.27
8	W16x36	22.986	15.105	0.295	48.1	96.24906	86.624154	Aman	0.25
7	W16x36	22.082	15.105	0.295	48.1	96.24906	86.624154	Aman	0.24
6	W16x36	20.862	15.105	0.295	48.1	96.24906	86.624154	Aman	0.25
5	W16x36	21.951	15.105	0.295	48.1	96.24906	86.624154	Aman	0.27
4	W16x40	24.289	15.2	0.305	46.6	100.1376	90.12384	Aman	0.27
3	W16x40	24.473	15.2	0.305	46.6	100.1376	90.12384	Aman	0.27
2	W16x40	24.156	15.2	0.305	46.6	100.1376	90.12384	Aman	0.27
1	W16x40	23.997	15.2	0.305	46.6	100.1376	90.12384	Aman	0.27

B2

Lantai	Profil	Vu Rencana	h (in)	tw (in)	h/tw	Vn	ϕV_n	Gek Geser	Rasio
		(Kips)				(Kips)	(Kips)		
20	W16x26	16.193	14.915	0.25	59.7	80.541	72.4869	Aman	0.2
19	W18x35	33.3	16.815	0.3	56.1	108.96	98.0651	Aman	0.3
18	W18x35	33.629	16.815	0.3	56.1	108.96	98.0651	Aman	0.3
17	W18x35	36.144	16.815	0.3	56.1	108.96	98.0651	Aman	0.4
16	W18x35	39.187	16.815	0.3	56.1	108.96	98.0651	Aman	0.4
15	W18x35	38.428	16.815	0.3	56.1	108.96	98.0651	Aman	0.4
14	W18x35	37.205	16.815	0.3	56.1	108.96	98.0651	Aman	0.4
13	W18x35	39.502	16.815	0.3	56.1	108.96	98.0651	Aman	0.4
12	W18x40	44.035	17.005	0.315	54	115.7	104.132	Aman	0.4
11	W18x40	42.276	17.005	0.315	54	115.7	104.132	Aman	0.4
10	W18x40	39.795	17.005	0.315	54	115.7	104.132	Aman	0.4
9	W18x40	41.754	17.005	0.315	54	115.7	104.132	Aman	0.4
8	W18x46	47.141	17.195	0.36	47.8	133.71	120.337	Aman	0.4
7	W18x46	44.643	17.195	0.36	47.8	133.71	120.337	Aman	0.4
6	W18x46	41.023	17.195	0.36	47.8	133.71	120.337	Aman	0.3
5	W18x46	41.838	17.195	0.36	47.8	133.71	120.337	Aman	0.3
4	W18x50	45.82	17.1	0.355	48.2	131.12	118.011	Aman	0.4
3	W18x50	43.832	17.1	0.355	48.2	131.12	118.011	Aman	0.3
2	W18x50	40.387	17.1	0.355	48.2	131.12	118.011	Aman	0.3
1	W18x50	38.741	17.1	0.355	48.2	131.12	118.011	Aman	0.3

LAMPIRAN B -12

B3

Lantai	Profil	Vu Rencana	h	tw	h/tw	Vn	ϕVn	Cek Geser	Rasio
		(Kips)	(in)	(in)		(Kips)	(Kips)		
20	W10x33	6.537	9.2435	0.29	31.874	57.9013	52.111	Aman	0.13
19	W12x22	15.333	11.685	0.26	44.942	65.623	59.061	Aman	0.26
18	W12x22	15.514	11.685	0.26	44.942	65.623	59.061	Aman	0.26
17	W12x22	15.41	11.685	0.26	44.942	65.623	59.061	Aman	0.26
16	W12x22	15.37	11.685	0.26	44.942	65.623	59.061	Aman	0.26
15	W12x22	15.41	11.685	0.26	44.942	65.623	59.061	Aman	0.26
14	W12x22	15.405	11.685	0.26	44.942	65.623	59.061	Aman	0.26
13	W12x22	15.273	11.685	0.26	44.942	65.623	59.061	Aman	0.26
12	W12x22	15.153	11.685	0.26	44.942	65.623	59.061	Aman	0.26
11	W12x22	15.056	11.685	0.26	44.942	65.623	59.061	Aman	0.25
10	W12x22	14.976	11.685	0.26	44.942	65.623	59.061	Aman	0.25
9	W12x22	14.707	11.685	0.26	44.942	65.623	59.061	Aman	0.25
8	W12x22	14.507	11.685	0.26	44.942	65.623	59.061	Aman	0.25
7	W12x22	14.25	11.685	0.26	44.942	65.623	59.061	Aman	0.24
6	W12x22	14.033	11.685	0.26	44.942	65.623	59.061	Aman	0.24
5	W12x22	13.644	11.685	0.26	44.942	65.623	59.061	Aman	0.23
4	W12x22	13.307	11.685	0.26	44.942	65.623	59.061	Aman	0.23
3	W12x22	12.867	11.685	0.26	44.942	65.623	59.061	Aman	0.22
2	W12x22	12.474	11.685	0.26	44.942	65.623	59.061	Aman	0.21
1	W12x22	12.094	11.685	0.26	44.942	65.623	59.061	Aman	0.2

B4

Lantai	Profil	Vu Rencana	h	tw	h/tw	Vn	ϕVn	Cek Geser	Rasio
		(Kips)	(in)	(in)		(Kips)	(Kips)		
20	W10x33	8.968	9.2435	0.29	31.8741	57.9013	52.111	Aman	0.17
19	W12x30	19.552	11.685	0.26	44.9423	65.623	59.061	Aman	0.33
18	W12x30	19.483	11.685	0.26	44.9423	65.623	59.061	Aman	0.33
17	W12x30	19.333	11.685	0.26	44.9423	65.623	59.061	Aman	0.33
16	W12x30	19.282	11.685	0.26	44.9423	65.623	59.061	Aman	0.33
15	W12x30	19.306	11.685	0.26	44.9423	65.623	59.061	Aman	0.33
14	W12x30	19.225	11.685	0.26	44.9423	65.623	59.061	Aman	0.33
13	W12x30	19.1	11.685	0.26	44.9423	65.623	59.061	Aman	0.32
12	W12x30	18.963	11.685	0.26	44.9423	65.623	59.061	Aman	0.32
11	W12x30	18.918	11.685	0.26	44.9423	65.623	59.061	Aman	0.32
10	W12x30	18.792	11.685	0.26	44.9423	65.623	59.061	Aman	0.32
9	W12x30	18.615	11.685	0.26	44.9423	65.623	59.061	Aman	0.32
8	W12x30	18.398	11.685	0.26	44.9423	65.623	59.061	Aman	0.31
7	W12x30	18.336	11.685	0.26	44.9423	65.623	59.061	Aman	0.31
6	W12x30	18.129	11.685	0.26	44.9423	65.623	59.061	Aman	0.31
5	W12x30	17.871	11.685	0.26	44.9423	65.623	59.061	Aman	0.3
4	W12x30	17.596	11.685	0.26	44.9423	65.623	59.061	Aman	0.3
3	W12x30	17.442	11.685	0.26	44.9423	65.623	59.061	Aman	0.3
2	W12x30	17.272	11.685	0.26	44.9423	65.623	59.061	Aman	0.29
1	W12x30	17.191	11.685	0.26	44.9423	65.623	59.061	Aman	0.29

Tabel Momen Akibat Beban Gravitasi Struktur 20 Lt Open Frame

Lantai	Stasiun	B1	B2	B3	B4
		1.2D+1.6L	1.2D+1.6L	1.2D+1.6L	1.2D+1.6L
20	Tepi Kiri	-218.29	-471.638	-234.264	-452.213
	1/2 L	316.406	630.265	116.533	224.884
	Tepi Kanan	-516.56	-965.448	-154.849	-311.536
19	Tepi Kiri	-653.924	-1048.556	-622.338	-999.763
	1/2 L	691.516	1259.761	321.467	510.822
	Tepi Kanan	-1172.557	-2019.965	-544.893	-846.754
18	Tepi Kiri	-550.103	-926.035	-636.169	-1011.16
	1/2 L	689.491	1243.843	317.267	507.342
	Tepi Kanan	-1286.112	-2181.428	-539.462	-842.317
17	Tepi Kiri	-548.954	-915.125	-635.197	-1009.297
	1/2 L	688.556	1233.178	317.479	507.486
	Tepi Kanan	-1289.132	-2213.669	-540.011	-843.892
16	Tepi Kiri	-505.59	-816.803	-635.253	-1009.341
	1/2 L	691.287	1238.626	317.048	506.847
	Tepi Kanan	-1335.088	-2301.568	-540.817	-845.127
15	Tepi Kiri	-511.285	-829.636	-635.008	-1008.567
	1/2 L	690.124	1235.746	316.699	506.278
	Tepi Kanan	-1331.718	-2294.494	-541.759	-847.037
14	Tepi Kiri	-527.921	-860.197	-632.608	-1004.357
	1/2 L	690.375	1236.152	316.76	506.376
	Tepi Kanan	-1314.581	-2263.121	-544.037	-851.053
13	Tepi Kiri	-545.236	-892.445	-629.857	-999.5
	1/2 L	690.621	1236.21	316.819	506.474
	Tepi Kanan	-1296.775	-2230.758	-546.671	-855.713
12	Tepi Kiri	-517.326	-845.242	-628.345	-996.702
	1/2 L	692.966	1240.069	316.473	505.892
	Tepi Kanan	-1327.1	-2279.718	-548.875	-859.675
11	Tepi Kiri	-535.634	-883.234	-626.248	-992.894
	1/2 L	691.901	1237.981	316.16	505.369
	Tepi Kanan	-1310.922	-2245.901	-551.596	-864.53
10	Tepi Kiri	-564.271	-936.83	-622.281	-985.93
	1/2 L	692.17	1238.061	316.211	505.453
	Tepi Kanan	-1281.747	-2192.147	-555.461	-871.326
9	Tepi Kiri	-595.106	-994.347	-617.922	-978.24
	1/2 L	692.445	1238.411	316.26	505.538
	Tepi Kanan	-1250.363	-2133.929	-559.723	-878.845
8	Tepi Kiri	-616.827	-977.45	-614.659	-972.402
	1/2 L	692.177	1240.809	315.951	505.002
	Tepi Kanan	-1231.545	-2154.556	-563.605	-885.755
7	Tepi Kiri	-646.3	-1033.981	-612.279	-967.703
	1/2 L	691.241	1237.726	315.676	504.526
	Tepi Kanan	-1203.944	-2104.192	-566.534	-891.406
6	Tepi Kiri	-683.581	-1111.439	-608.316	-960.184
	1/2 L	691.528	1238.336	315.717	504.603
	Tepi Kanan	-1166.09	-2025.514	-570.414	-898.77
5	Tepi Kiri	-722.975	-1192.283	-604.043	-952.186
	1/2 L	691.85	1238.48	315.769	504.662
	Tepi Kanan	-1126.052	-1944.382	-574.584	-906.651
4	Tepi Kiri	-745.996	-1240.456	-600.89	-945.486
	1/2 L	694.056	1242.969	315.455	504.239
	Tepi Kanan	-1106.198	-1898.127	-578.365	-914.197

LAMPIRAN B -13

3	Tepi Kiri	-793.674	-1327.503	-596.617	-938.89
	1/2 L	693.123	1241.828	315.258	503.996
	Tepi Kanan	-1060.386	-1813.362	-583.032	-921.278
2	Tepi Kiri	-847.923	-1425.69	-592.084	-932.258
	1/2 L	692.669	1240.635	315.03	503.595
	Tepi Kanan	-1007.044	-1717.561	-588.021	-928.713
1	Tepi Kiri	-911.624	-1541.208	-582.294	-916.743
	1/2 L	696.602	1247.499	316.13	505.436
	Tepi Kanan	-935.478	-1588.314	-595.611	-940.547

Tabel Momen Akibat Beban Gravitasi Struktur 20 Lt Belt Truss And Outrigger frame (BOF)

Lantai	Station	B1	B2	B3	B4
		1.2D+1.6L	1.2D+1.6L	1.2D+1.6L	1.2D+1.6L
20	Tepi kiri	-341.935	-690.712	-191.081	-139.278
	1/2 L	318.896	635.328	116.036	-91.413
	Tepi Kanan	-387.936	-736.248	-199.027	-47.344
19	Tepi kiri	-865.979	-1457.983	-592.157	-951.299
	1/2 L	691.451	1256.182	335.107	522.576
	Tepi Kanan	-953.526	-1614.854	-615.286	-939.202
18	Tepi kiri	-832.371	-1424.374	-613.462	-963.27
	1/2 L	689.251	1243.086	330.15	519.137
	Tepi Kanan	-998.64	-1674.654	-603.895	-934.109
17	Tepi kiri	-831.278	-1420.486	-613.184	-943.81
	1/2 L	688.772	1243.937	330.78	524.872
	Tepi Kanan	-1000.692	-1676.841	-602.914	-942.1
16	Tepi kiri	-800.453	-1404.31	-616.007	-957.073
	1/2 L	694.389	1240.326	330.201	521.87
	Tepi Kanan	-1025.967	-1703.08	-601.248	-934.841
15	Tepi kiri	-798.554	-1398.191	-618.343	-962.17
	1/2 L	693.272	1236.194	329.82	520.725
	Tepi Kanan	-1030.101	-1717.463	-599.675	-932.032
14	Tepi kiri	-805.768	-1404.781	-617.9	-961.88
	1/2 L	693.38	1237.006	329.898	520.887
	Tepi Kanan	-1022.671	-1709.249	-599.961	-932
13	Tepi kiri	-816.156	-1411.292	-616.668	-960.449
	1/2 L	693.516	1237.433	329.984	521.311
	Tepi Kanan	-1012.009	-1701.885	-601.022	-932.583
12	Tepi kiri	-817.818	-1396.037	-616.652	-968.33
	1/2 L	695.616	1240.689	329.565	519.273
	Tepi Kanan	-1011.359	-1717.735	-601.876	-928.777
11	Tepi kiri	-832.146	-1403.265	-616.122	-950.74
	1/2 L	694.347	1238.538	329.184	523.628
	Tepi Kanan	-999.57	-1714.809	-603.168	-937.657
10	Tepi kiri	-853.921	-1420.267	-613.123	-192.301
	1/2 L	694.363	1238.849	329.255	-335.123
	Tepi Kanan	-977.762	-1697.183	-606.024	-65.217
9	Tepi kiri	-865.027	-1442.864	-611.069	-943.964
	1/2 L	694.676	1239.32	329.317	523.95
	Tepi Kanan	-966.03	-1673.645	-607.955	-943.791
8	Tepi kiri	-870.82	-1433.721	-613.086	-968.451
	1/2 L	697.962	1242.312	328.923	517.685
	Tepi Kanan	-963.614	-1677.278	-606.726	-931.832
7	Tepi kiri	-869.53	-1452.75	-614.21	-964.073
	1/2 L	696.919	1240.191	328.555	517.598
	Tepi Kanan	-966.99	-1662.49	-606.338	-936.384
6	Tepi kiri	-875.921	-1482.047	-612.915	-958.769
	1/2 L	697.16	1240.515	328.636	517.568
	Tepi Kanan	-960.116	-1632.545	-607.47	-941.748
5	Tepi kiri	-885.189	-1513.656	-610.947	-952.281
	1/2 L	697.499	1240.966	328.728	517.686
	Tepi Kanan	-950.171	-1600.034	-609.253	-948
4	Tepi kiri	-894.109	-1541.349	-610.275	-948.161
	1/2 L	696.961	1244.294	328.315	517.083

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	Tepi Kanan	-944.696	-1575.161	-610.752	-953.327
3	Tepi kiri	-907.221	-1561.278	-608.429	-945.231
	1/2 L	695.82	1242.995	328.062	516.713
	Tepi Kanan	-933.867	-1557.828	-613.105	-956.996
2	Tepi kiri	-925.245	-1587.682	-606.069	-942.177
	1/2 L	695.207	1242.095	327.752	516.254
	Tepi Kanan	-917.068	-1533.225	-616.084	-960.968
1	Tepi kiri	-953.729	-1629.464	-596.136	-928.324
	1/2 L	699.951	1250.588	329.349	518.514
	Tepi Kanan	-879.097	-1474.458	-622.822	-970.302

Tabel Momen Akibat Beban Gravitasi Struktur 20 Lt Global Brace

Lantai	Stasiun	B1	B2	B3	B4
		1.2D+1.6L	1.2D+1.6L	1.2D+1.6L	1.2D+1.6L
20	Tepi kiri	-366.851	-648.378	-220.86	-464.228
	1/2 L	318.432	637.365	116.386	224.127
	Tepi Kanan	-363.947	-774.508	-168.547	-301.036
19	Tepi kiri	-909.767	-1379.171	-622.921	-1041.093
	1/2 L	690.862	1258.743	335.549	519.647
	Tepi Kanan	-910.916	-1688.543	-583.638	-855.267
18	Tepi kiri	-891.346	-1350.941	-641.133	-1034.027
	1/2 L	689.069	1244.892	330.366	520.514
	Tepi Kanan	-940.029	-1744.474	-575.792	-860.599
17	Tepi kiri	-901.409	-1352.567	-636.886	-1018.87
	1/2 L	687.404	1245.617	331.158	524.506
	Tepi Kanan	-933.297	-1741.399	-578.456	-867.772
16	Tepi kiri	-896.369	-1339.435	-638.74	-1024.202
	1/2 L	695.356	1241.792	329.909	522.737
	Tepi Kanan	-928.117	-1765.022	-579.1	-865.977
15	Tepi kiri	-888.544	-1337.588	-637.833	-1030.825
	1/2 L	693.527	1237.397	330.155	520.441
	Tepi Kanan	-939.601	-1775.66	-579.514	-863.947
14	Tepi kiri	-892.719	-1348.523	-637.125	-1022.927
	1/2 L	693.557	1238.172	330.035	521.664
	Tepi Kanan	-935.365	-1763.176	-580.462	-869.399
13	Tepi kiri	-907.366	-1359.015	-634.278	-1022.695
	1/2 L	690.768	1238.496	330.292	520.804
	Tepi Kanan	-926.295	-1752.035	-582.796	-871.351
12	Tepi kiri	-905.086	-1340.654	-635.418	-1018.326
	1/2 L	696.718	1241.996	329.287	520.939
	Tepi Kanan	-921.887	-1770.504	-583.666	-875.449
11	Tepi kiri	-896.567	-1351.464	-633.695	-1020.008
	1/2 L	696.012	1239.653	329.461	519.327
	Tepi Kanan	-931.819	-1764.38	-585.041	-876.992
10	Tepi kiri	-908.81	-1371.775	-632.114	-1011.207
	1/2 L	694.74	1239.944	329.36	520.262
	Tepi Kanan	-922.119	-1743.486	-586.824	-883.923
9	Tepi kiri	-931.377	-1392.622	-628.594	-1007.851
	1/2 L	690.912	1240.324	329.595	519.7
	Tepi Kanan	-907.209	-1721.879	-589.875	-888.402
8	Tepi kiri	-934.795	-1382.228	-628.784	-1004.806
	1/2 L	698.956	1243.512	328.659	519.021
	Tepi Kanan	-897.651	-1726.371	-591.555	-892.805
7	Tepi kiri	-916.121	-1408.602	-625.831	-1002.133
	1/2 L	699.762	1241.102	328.765	517.112
	Tepi Kanan	-914.713	-1704.816	-594.296	-899.297
6	Tepi kiri	-927.072	-1445.225	-622.807	-988.093
	1/2 L	697.476	1241.295	328.682	517.991
	Tepi Kanan	-908.334	-1667.807	-597.487	-911.58
5	Tepi kiri	-945.659	-1483.9	-618.068	-978.99
	1/2 L	693.134	1241.578	328.893	517.401
	Tepi Kanan	-898.431	-1628.566	-601.804	-921.862
4	Tepi kiri	-938.024	-1515.367	-616.701	-967.251
	1/2 L	697.921	1244.894	328.033	517.392
	Tepi Kanan	-898.86	-1599.942	-604.892	-933.618

LAMPIRAN B -15

3	Tepi kiri	-924.543	-1541.851	-612.008	-961.752
	1/2 L	699.865	1243.398	328.184	516.435
	Tepi Kanan	-908.454	-1576.449	-609.281	-941.033
2	Tepi kiri	-946.198	-1574.819	-608.743	-951.567
	1/2 L	695.427	1242.369	327.757	516.494
	Tepi Kanan	-895.675	-1545.54	-613.401	-951.098
1	Tepi kiri	-981.693	-1623.06	-597.423	-934.668
	1/2 L	694.976	1250.723	329.367	518.27
	Tepi Kanan	-861.082	-1480.591	-621.5	-964.446

Tabel lendutan yang terjadi Struktur Open Frame

Lantai	B1				B3			
	Profil	Kontrol Δ			Profil	Kontrol Δ		
		In	max	Cek		In	max	Cek
20	W16X31	0.20839	0.4921	Aman	W18X35	0.30417	0.49213	Aman
19	W18x40	0.28629	0.3281	Aman	W21X50	0.3191	0.32808	Aman
18	W18x40	0.28595	0.3281	Aman	W21X55	0.27332	0.32808	Aman
17	W18x40	0.2857	0.3281	Aman	W21X55	0.27182	0.32808	Aman
16	W18x40	0.28668	0.3281	Aman	W24X55	0.2285	0.32808	Aman
15	W18x40	0.28637	0.3281	Aman	W24X55	0.22816	0.32808	Aman
14	W18x40	0.28644	0.3281	Aman	W24X55	0.22821	0.32808	Aman
13	W18x40	0.28651	0.3281	Aman	W24X55	0.22822	0.32808	Aman
12	W18x46	0.24699	0.3281	Aman	W24X62	0.19948	0.32808	Aman
11	W18x46	0.24675	0.3281	Aman	W24X62	0.19926	0.32808	Aman
10	W18x46	0.24681	0.3281	Aman	W24X62	0.19927	0.32808	Aman
9	W18x46	0.24688	0.3281	Aman	W24X62	0.1993	0.32808	Aman
8	W18x50	0.21973	0.3281	Aman	W24X68	0.1702	0.32808	Aman
7	W18x50	0.21954	0.3281	Aman	W24X68	0.16993	0.32808	Aman
6	W18x50	0.2196	0.3281	Aman	W24X68	0.16999	0.32808	Aman
5	W18x50	0.21966	0.3281	Aman	W24X68	0.17	0.32808	Aman
4	W18x50	0.22029	0.3281	Aman	W24X76	0.14859	0.32808	Aman
3	W18x50	0.22011	0.3281	Aman	W24X76	0.1485	0.32808	Aman
2	W18x50	0.22001	0.3281	Aman	W24X76	0.14841	0.32808	Aman
1	W18x50	0.2208	0.3281	Aman	W24X76	0.14893	0.32808	Aman

Lantai	B3				B4			
	Profil	Kontrol Δ			Profil	Kontrol Δ		
		In	max	Cek		In	max	Cek
20	W16X26	0.1035	0.98425	Aman	W16X31	0.16102	0.9843	Aman
19	W16X26	0.2918	0.65617	Aman	W16X31	0.37172	0.6562	Aman
18	W16X26	0.2895	0.65617	Aman	W16X31	0.37023	0.6562	Aman
17	W16X26	0.2897	0.65617	Aman	W16X31	0.37029	0.6562	Aman
16	W16X26	0.2894	0.65617	Aman	W16X31	0.37002	0.6562	Aman
15	W16X26	0.2892	0.65617	Aman	W16X31	0.36978	0.6562	Aman
14	W16X26	0.2893	0.65617	Aman	W16X31	0.36982	0.6562	Aman
13	W16X26	0.2893	0.65617	Aman	W16X31	0.36986	0.6562	Aman
12	W16X26	0.2891	0.65617	Aman	W16X31	0.36961	0.6562	Aman
11	W16X26	0.289	0.65617	Aman	W16X31	0.36939	0.6562	Aman
10	W16X26	0.289	0.65617	Aman	W16X31	0.36942	0.6562	Aman
9	W16X26	0.289	0.65617	Aman	W16X31	0.36946	0.6562	Aman
8	W16X26	0.2888	0.65617	Aman	W16X31	0.36923	0.6562	Aman
7	W16X26	0.2887	0.65617	Aman	W16X31	0.36903	0.6562	Aman
6	W16X26	0.2887	0.65617	Aman	W16X31	0.36906	0.6562	Aman
5	W16X26	0.2887	0.65617	Aman	W16X31	0.36909	0.6562	Aman
4	W16X26	0.2886	0.65617	Aman	W16X31	0.3689	0.6562	Aman
3	W16X26	0.2885	0.65617	Aman	W16X31	0.3688	0.6562	Aman
2	W16X26	0.2884	0.65617	Aman	W16X31	0.36863	0.6562	Aman
1	W16X26	0.2889	0.65617	Aman	W16X31	0.36942	0.6562	Aman

Tabel lendutan yang terjadi Struktur BOF

Lantai	B1				B2			
	Profil	Kontrol Δ			Profil	Kontrol Δ		
		In	max	Cek		In	max	Cek
20	W16x26	0.26095	0.98425	Aman	W16x26	0.518073	0.98425	Aman
19	W16x31	0.46682	0.65617	Aman	W18x35	0.614444	0.656167	Aman
18	W16x31	0.46626	0.65617	Aman	W18x35	0.610327	0.656167	Aman
17	W16x31	0.46605	0.65617	Aman	W18x35	0.610594	0.656167	Aman
16	W16x36	0.39237	0.65617	Aman	W18x40	0.507975	0.656167	Aman
15	W16x36	0.39197	0.65617	Aman	W18x40	0.506893	0.656167	Aman
14	W16x36	0.39201	0.65617	Aman	W18x40	0.507106	0.656167	Aman
13	W16x36	0.39206	0.65617	Aman	W18x40	0.507217	0.656167	Aman
12	W16x36	0.39305	0.65617	Aman	W18x40	0.508303	0.656167	Aman
11	W16x36	0.39259	0.65617	Aman	W18x40	0.50774	0.656167	Aman
10	W16x36	0.3926	0.65617	Aman	W18x40	0.507821	0.656167	Aman
9	W16x36	0.39271	0.65617	Aman	W18x40	0.507945	0.656167	Aman
8	W16x40	0.34104	0.65617	Aman	W18x46	0.437291	0.656167	Aman
7	W16x40	0.34072	0.65617	Aman	W18x46	0.436814	0.656167	Aman
6	W16x40	0.3408	0.65617	Aman	W18x46	0.436886	0.656167	Aman
5	W16x40	0.3409	0.65617	Aman	W18x46	0.436988	0.656167	Aman
4	W16x45	0.30128	0.65617	Aman	W18x50	0.389824	0.656167	Aman
3	W16x45	0.30096	0.65617	Aman	W18x50	0.389563	0.656167	Aman
2	W16x45	0.3008	0.65617	Aman	W18x50	0.389383	0.656167	Aman
1	W16x45	0.30209	0.65617	Aman	W18x50	0.391085	0.656167	Aman

Lantai	B3				B4			
	Profil	Kontrol Δ			Profil	Kontrol Δ		
		In	max	Cek		In	max	Cek
20	W10x33	0.18173	0.98425	Aman	W10x33	0.0853	0.98425	Aman
19	W12x26	0.44788	0.65617	Aman	W12x30	0.5993	0.65617	Aman
18	W12x26	0.44398	0.65617	Aman	W12x30	0.597	0.65617	Aman
17	W12x26	0.44448	0.65617	Aman	W12x30	0.6008	0.65617	Aman
16	W12x26	0.44402	0.65617	Aman	W12x30	0.5988	0.65617	Aman
15	W12x26	0.44372	0.65617	Aman	W12x30	0.598	0.65617	Aman
14	W12x26	0.44378	0.65617	Aman	W12x30	0.5982	0.65617	Aman
13	W12x26	0.44385	0.65617	Aman	W12x30	0.5984	0.65617	Aman
12	W12x26	0.44352	0.65617	Aman	W12x30	0.5971	0.65617	Aman
11	W12x26	0.44322	0.65617	Aman	W12x30	0.6	0.65617	Aman
10	W12x26	0.44328	0.65617	Aman	W12x30	0.2605	0.65617	Aman
9	W12x26	0.44333	0.65617	Aman	W12x30	0.6002	0.65617	Aman
8	W12x26	0.44302	0.65617	Aman	W12x30	0.596	0.65617	Aman
7	W12x26	0.44273	0.65617	Aman	W12x30	0.5959	0.65617	Aman
6	W12x26	0.44279	0.65617	Aman	W12x30	0.5959	0.65617	Aman
5	W12x26	0.44286	0.65617	Aman	W12x30	0.596	0.65617	Aman
4	W12x26	0.44254	0.65617	Aman	W12x30	0.5956	0.65617	Aman
3	W12x26	0.44234	0.65617	Aman	W12x30	0.5953	0.65617	Aman
2	W12x26	0.4421	0.65617	Aman	W12x30	0.595	0.65617	Aman
1	W12x26	0.44335	0.65617	Aman	W12x30	0.5966	0.65617	Aman

Tabel lendutan yang terjadi Struktur Global Brace

Lantai	B1				B2			
	Profil	Kontrol Δ			Profil	Kontrol Δ		
		In	max	Cek		In	max	Cek
20	W16x26	0.260701	0.98425	Aman	W16x26	0.51916	0.9843	Aman
19	W16x26	0.581269	0.656167	Aman	W18x35	0.61525	0.6562	Aman
18	W16x26	0.580787	0.656167	Aman	W18x35	0.61089	0.6562	Aman
17	W16x26	0.5799	0.656167	Aman	W18x35	0.61112	0.6562	Aman
16	W16x31	0.46917	0.656167	Aman	W18x35	0.61003	0.6562	Aman
15	W16x31	0.468388	0.656167	Aman	W18x35	0.60865	0.6562	Aman
14	W16x31	0.468401	0.656167	Aman	W18x35	0.60889	0.6562	Aman
13	W16x31	0.467209	0.656167	Aman	W18x35	0.609	0.6562	Aman
12	W16x31	0.470031	0.656167	Aman	W18x40	0.50865	0.6562	Aman
11	W16x31	0.46973	0.656167	Aman	W18x40	0.50803	0.6562	Aman
10	W16x31	0.469186	0.656167	Aman	W18x40	0.50811	0.6562	Aman
9	W16x31	0.467549	0.656167	Aman	W18x40	0.50821	0.6562	Aman
8	W16x36	0.394688	0.656167	Aman	W18x46	0.43756	0.6562	Aman
7	W16x36	0.394976	0.656167	Aman	W18x46	0.43702	0.6562	Aman
6	W16x36	0.394158	0.656167	Aman	W18x46	0.43706	0.6562	Aman
5	W16x36	0.392604	0.656167	Aman	W18x46	0.43713	0.6562	Aman
4	W16x40	0.341123	0.656167	Aman	W18x50	0.38994	0.6562	Aman
3	W16x40	0.341724	0.656167	Aman	W18x50	0.38964	0.6562	Aman
2	W16x40	0.340351	0.656167	Aman	W18x50	0.38944	0.6562	Aman
1	W16x40	0.340211	0.656167	Aman	W18x50	0.39111	0.6562	Aman

Lantai	B3				B4			
	Profil	Kontrol Δ			Profil	Kontrol Δ		
		In	max	Cek		In	max	Cek
20	W10x33	0.18206	0.98425	Aman	W10x33	0.173	0.9843	Aman
19	W12x22	0.586137	0.656167	Aman	W12x30	0.59732	0.6562	Aman
18	W12x22	0.58081	0.656167	Aman	W12x30	0.59791	0.6562	Aman
17	W12x22	0.581627	0.656167	Aman	W12x30	0.6006	0.6562	Aman
16	W12x22	0.580343	0.656167	Aman	W12x30	0.5994	0.6562	Aman
15	W12x22	0.580596	0.656167	Aman	W12x30	0.59786	0.6562	Aman
14	W12x22	0.580472	0.656167	Aman	W12x30	0.59868	0.6562	Aman
13	W12x22	0.580736	0.656167	Aman	W12x30	0.5981	0.6562	Aman
12	W12x22	0.579703	0.656167	Aman	W12x30	0.59819	0.6562	Aman
11	W12x22	0.579882	0.656167	Aman	W12x30	0.59711	0.6562	Aman
10	W12x22	0.579779	0.656167	Aman	W12x30	0.27854	0.6562	Aman
9	W12x22	0.58002	0.656167	Aman	W12x30	0.59736	0.6562	Aman
8	W12x22	0.579058	0.656167	Aman	W12x30	0.5969	0.6562	Aman
7	W12x22	0.579167	0.656167	Aman	W12x30	0.59561	0.6562	Aman
6	W12x22	0.579082	0.656167	Aman	W12x30	0.59621	0.6562	Aman
5	W12x22	0.579298	0.656167	Aman	W12x30	0.59581	0.6562	Aman
4	W12x22	0.578415	0.656167	Aman	W12x30	0.5958	0.6562	Aman
3	W12x22	0.57857	0.656167	Aman	W12x30	0.59516	0.6562	Aman
2	W12x22	0.578131	0.656167	Aman	W12x30	0.5952	0.6562	Aman
1	W12x22	0.579786	0.656167	Aman	W12x30	0.59639	0.6562	Aman

**LAMPIRAN C : PERENCANAAN KOLOM STRUKTUR OF ,BOF dan
*GLOBAL BRACE***

Tabel Koefisien Distribusi Momen & Gaya Aksial Kolom OF.....	C – 1
Tabel Koefisien Distribusi Momen & Gaya Aksial Kolom BOF.....	C – 2
Tabel Koefisien Distribusi Momen & Gaya Aksial Kolom <i>Global Brace</i>	C – 3
Tabel Tabel Gaya Geser Rencana Kolom OF.....	C – 4
Tabel Tabel Gaya Geser Rencana Kolom BOF.....	C – 5
Tabel Tabel Gaya Geser Rencana Kolom <i>Global Brace</i>	C – 6
Tabel Perhitungan Disain Kolom Struktur OF	C – 7
Tabel Perhitungan Disain Kolom Struktur BOF	C – 8
Tabel Perhitungan Disain Kolom Struktur <i>Global Brace</i>	C – 9
Tabel Disain Kolom Terhadap Geser Struktur OF.....	C – 10
Tabel Disain Kolom Terhadap Geser Struktur BOF.....	C – 11
Tabel Disain Kolom Terhadap Geser Struktur <i>Global Brace</i>	C – 12
Tabel Kontrol <i>Strong Column Weak Beam</i> Kolom OF.....	C – 13
Tabel Kontrol <i>Strong Column Weak Beam</i> Kolom BOF.....	C – 14
Tabel Kontrol <i>Strong Column Weak Beam</i> Kolom <i>Global Brace</i>	C – 15

Tabel Distribusi Momen dan Gaya Aksial Kolom Struktur OF

K1 (Kolom Eksterior) Arah X

Lantai	Stasiun	Balok		(K1)			(K2)			L' (m)	h' (in)	Mp (ft.in)	PD (Kips)	PD Pakai (Kips)	PL (Kips)	PL Pakai (Kips)	PE (Kips)	PE Pakai (Kips)	Pu	Mu (K-in)	
		Arh x B1	L (in)	Profil	h (m)	h (in)	Profil	h (m)	h (in)												
20	3.75	W16X31	6	236.2	W14X132	3.75	147.64	W14X176	3.75	147.6	221.3	139.7	1944	-9.59	9.59	-2.33	2.33	-1.88	1.88	14.6	981.8
	0													-7.97		-2.33		-1.88			
19	3.75	W18x40	6	236.2	W14X193	3.75	147.64	W14X233	3.75	147.6	220.5	130.7	2822.4	-40.85	40.85	-7.83	7.83	-5.67	5.67	58.6	1338.9
	0													-32.11		-7.83		-5.67			
18	3.75	W18x40	6	236.2	W14X233	3.75	147.64	W14X257	3.75	147.6	220	129.7	2822.4	-73.22	73.22	-13.5	13.51	-11.75	11.75	106	1331.4
	0													-64		-13.5		-11.75			
17	3.75	W18x40	6	236.2	W14X233	3.75	147.64	W14X257	3.75	147.6	220	129.7	2822.4	-105.6	105.6	-19.2	19.2	-19.21	19.21	156	1331.4
	0													-96.37		-19.2		-19.21			
16	3.75	W18x40	6	236.2	W14X257	3.75	147.64	W14X283	3.75	147.6	219.7	129.7	2822.4	-138.5	138.54	-25	24.96	-28.91	28.91	208	1333.5
	0													-129		-25		-28.91			
15	3.75	W18x40	6	236.2	W14X257	3.75	147.64	W14X283	3.75	147.6	219.7	129.7	2822.4	-171.5	171.47	-30.7	30.71	-40.04	40.04	261	1333.5
	0													-162		-30.7		-40.04			
14	3.75	W18x40	6	236.2	W14X257	3.75	147.64	W14X283	3.75	147.6	219.7	129.7	2822.4	-204.3	204.3	-36.4	36.42	-52.64	52.64	316	1333.5
	0													-194.8		-36.4		-52.64			
13	3.75	W18x40	6	236.2	W14X257	3.75	147.64	W14X283	3.75	147.6	219.7	129.7	2822.4	-237	237.04	-42.1	42.11	-66.4	66.4	372	1333.5
	0													-227.5		-42.1		-66.4			
12	3.75	W18x46	6	236.2	W14X283	3.75	147.64	W14X311	3.75	147.6	219.3	129.6	3265.2	-270.3	270.28	-47.8	47.83	-82.47	82.47	431	1544
	0													-260.4		-47.8		-82.47			
11	3.75	W18x46	6	236.2	W14X283	3.75	147.64	W14X311	3.75	147.6	219.3	129.5	3265.2	-303.4	303.42	-53.5	53.52	-99.48	99.48	490	1542.8
	0													-293.6		-53.5		-99.48			
10	3.75	W18x46	6	236.2	W14X283	3.75	147.64	W14X311	3.75	147.6	219.3	129.5	3265.2	-336.4	336.41	-59.2	59.16	-117.5	117.5	551	1542.8
	0													-326.6		-59.2		-117.5			
9	3.75	W18x46	6	236.2	W14X283	3.75	147.64	W14X311	3.75	147.6	219.3	129.5	3265.2	-369.2	369.23	-64.7	64.74	-136.2	136.2	612	1542.8
	0													-359.4		-64.7		-136.2			
8	3.75	W18x50	6	236.2	W14X311	3.75	147.64	W14X342	3.75	147.6	218.9	129.6	3636	-402.3	402.3	-70.3	70.27	-155.3	155.3	673	1721.8
	0													-392.1		-70.3		-155.3			
7	3.75	W18x50	6	236.2	W14X311	3.75	147.64	W14X342	3.75	147.6	218.9	129.6	3636	-435.2	435.21	-75.8	75.75	-174.8	174.8	735	1722.5
	0													-425		-75.8		-174.8			
6	3.75	W18x50	6	236.2	W14X311	3.75	147.64	W14X342	3.75	147.6	218.9	129.6	3636	-467.9	467.93	-81.2	81.16	-194.7	194.7	797	1722.5
	0													-457.8		-81.2		-194.7			
5	3.75	W18x50	6	236.2	W14X311	3.75	147.64	W14X342	3.75	147.6	218.9	129.6	3636	-500.4	500.43	-86.5	86.5	-214.8	214.8	859	1722.5
	0													-490.3		-86.5		-214.8			

LAMPIRAN C-1

4	3.75	W18x50	6	236.2	W14X370	3.75	147.64	W14X426	3.75	217.9	129.6	3636	-533.3	533.28	-91.8	91.79	-236.2	236.2	922	1730.4
	0												-522.7		-91.8		-236.2			
3	3.75	W18x50	6	236.2	W14X370	3.75	147.64	W14X426	3.75	217.9	129.6	3636	-565.9	565.87	-97	96.99	-257.1	257.1	985	1730.4
	0												-555.3		-97		-257.1			
2	3.75	W18x50	6	236.2	W14X370	3.75	147.64	W14X426	3.75	217.9	129.6	3636	-598.2	598.19	-102	102.1	-276.7	276.7	1046	1730.4
	0												-587.6		-102		-276.7			
1	3.75	W18x50	6	236.2	W14X370	3.75	147.64	W14X426	3.75	217.9	129.6	3636	-630.1	630.13	-107	107.08	-291.9	291.9	1102	1730.4
	0												-619.6		-107		-291.9			

Lantai	Stasion	Arah Y	Balok	(K1)			(K4)			L' (m)	h' (m)	Mp (kg)	FD (kg)	PD (kg)	PL (kg)	PL (kg)	PE (kg)	PE (kg)	Pu (kg)	Mu (kg)
				Profile	b (m)	h (m)	Profile	b (m)	h (m)											
20	3.75	W16X26	6	236.2	W14X132	3.75	147.64	W14X159	3.75	236.2	139.8	1591.2	-9.59	9.59	-2.33	2.33	-1.88	1.88	14.6	753.3
	0												-7.97		-2.33		-1.88			
19	3.75	W16X26	6	236.2	W14X193	3.75	147.64	W14X193	3.75	236.2	131.9	1591.2	-40.85	40.85	-7.83	7.83	-5.67	5.67	58.6	710.99
	0												-32.11		-7.83		-5.67			
18	3.75	W16X26	6	236.2	W14X233	3.75	147.64	W14X311	3.75	236.2	131.9	1591.2	-73.22	73.22	-13.5	13.51	-11.75	11.75	106	710.99
	0												-64		-13.5		-11.75			
17	3.75	W16X26	6	236.2	W14X233	3.75	147.64	W14X311	3.75	236.2	131.9	1591.2	-105.6	105.6	-19.2	19.2	-19.21	19.21	156	710.99
	0												-96.37		-19.2		-19.21			
16	3.75	W16X26	6	236.2	W14X257	3.75	147.64	W14X342	3.75	236.2	131.9	1591.2	-138.5	138.54	-25	24.96	-28.91	28.91	208	710.99
	0												-129		-25		-28.91			
15	3.75	W16X26	6	236.2	W14X257	3.75	147.64	W14X342	3.75	236.2	131.9	1591.2	-171.5	171.47	-30.7	30.71	-40.04	40.04	261	710.99
	0												-162		-30.7		-40.04			
14	3.75	W16X26	6	236.2	W14X257	3.75	147.64	W14X342	3.75	236.2	131.9	1591.2	-204.3	204.3	-36.4	36.42	-52.64	52.64	316	710.99
	0												-194.8		-36.4		-52.64			
13	3.75	W16X26	6	236.2	W14X257	3.75	147.64	W14X342	3.75	236.2	131.9	1591.2	-237	237.04	-42.1	42.11	-66.4	66.4	372	710.99
	0												-227.5		-42.1		-66.4			
12	3.75	W16X26	6	236.2	W14X283	3.75	147.64	W14X342	3.75	236.2	131.9	1591.2	-270.3	270.28	-47.8	47.83	-82.47	82.47	431	710.99
	0												-260.4		-47.8		-82.47			
11	3.75	W16X26	6	236.2	W14X283	3.75	147.64	W14X370	3.75	236.2	131.9	1591.2	-303.4	303.42	-53.5	53.52	-99.48	99.48	490	710.99
	0												-293.6		-53.5		-99.48			
10	3.75	W16X26	6	236.2	W14X283	3.75	147.64	W14X370	3.75	236.2	131.9	1591.2	-336.4	336.41	-59.2	59.16	-117.5	117.5	551	710.99
	0												-326.6		-59.2		-117.5			
9	3.75	W16X26	6	236.2	W14X283	3.75	147.64	W14X370	3.75	236.2	131.9	1591.2	-369.2	369.23	-64.7	64.74	-136.2	136.2	612	710.99
	0												-359.4		-64.7		-136.2			

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8	3.75	W16X26	6	236.2	W14X311	3.75	147.64	W14X370	3.75	147.6	236.2	131.9	1591.2	-402.3	402.3	-70.3	70.27	-155.3	155.3	673	710.99
	0													-392.1		-70.3		-155.3			
7	3.75	W16X26	6	236.2	W14X311	3.75	147.64	W14X426	3.75	147.6	236.2	131.9	1591.2	-435.2	435.21	-75.8	75.75	-174.8	174.8	735	710.99
	0													-425		-75.8		-174.8			
6	3.75	W16X26	6	236.2	W14X311	3.75	147.64	W14X426	3.75	147.6	236.2	131.9	1591.2	-487.9	467.93	-81.2	81.16	-194.7	194.7	797	710.99
	0													-457.8		-81.2		-194.7			
5	3.75	W16X26	6	236.2	W14X311	3.75	147.64	W14X426	3.75	147.6	236.2	131.9	1591.2	-500.4	500.43	-86.5	86.5	-214.8	214.8	859	710.99
	0													-490.3		-86.5		-214.8			
4	3.75	W16X26	6	236.2	W14X370	3.75	147.64	W14X455	3.75	147.6	236.2	131.9	1591.2	-533.3	533.28	-91.8	91.79	-236.2	236.2	922	710.99
	0													-522.7		-91.8		-236.2			
3	3.75	W16X26	6	236.2	W14X370	3.75	147.64	W14X455	3.75	147.6	236.2	131.9	1591.2	-565.9	565.87	-97	96.99	-257.1	257.1	985	710.99
	0													-555.3		-97		-257.1			
2	3.75	W16X26	6	236.2	W14X370	3.75	147.64	W14X455	3.75	147.6	236.2	131.9	1591.2	-598.2	598.19	-102	102.1	-276.7	276.7	1046	710.99
	0													-587.6		-102		-276.7			
1	3.75	W16X26	6	236.2	W14X370	3.75	147.64	W14X455	3.75	147.6	236.2	131.9	1591.2	-630.1	630.13	-107	107.08	-291.9	291.9	1102	710.99
	0													-619.6		-107		-291.9			

K2 (Arah X)		Lantai	Stasiun	Balok				(K2)			(K3)			L' (m)	K' (t)	Mp (t.in)	PD (Kips)	PD Paktal (Kips)	PL (Kips)	PL Paktal (Kips)	PE (Kips)	PE Paktal (Kips)	Pu (Kips)	Mu (K.ft)
				Ari x Bt	L (m)	L (ft)	Profil	a (m)	h (m)	h (ft)	Profil	b (m)	b (ft)											
20	3.75	W16x31	6	236.2	W14X176	3.75	147.64	3.75	147.6	3.75	147.6	W14X159	3.75	147.6	139.7	1944	-15.94	15.94	-3.98	3.98	-0.88	0.88	22	1964.9
	0																-13.78		-3.98		-0.88			
19	3.75	W18x40	6	236.2	W14X193	3.75	147.64	3.75	147.6	3.75	147.6	W14X211	3.75	147.6	130.7	2822.4	-61.64	61.64	-13.8	13.81	-2.37	2.37	83.2	2676
	0																-52.42		-13.8		-2.37			
18	3.75	W18x40	6	236.2	W14X311	3.75	147.64	3.75	147.6	3.75	147.6	W14X233	3.75	147.6	129.7	2822.4	-107.4	107.37	-23.5	23.51	-4.22	4.22	145	2667.1
	0																-97.85		-23.5		-4.22			
17	3.75	W18x40	6	236.2	W14X311	3.75	147.64	3.75	147.6	3.75	147.6	W14X233	3.75	147.6	129.7	2822.4	-153.1	153.09	-33.2	33.2	-6.09	6.09	206	2667.1
	0																-143.6		-33.2		-6.09			
16	3.75	W18x40	6	236.2	W14X342	3.75	147.64	3.75	147.6	3.75	147.6	W14X257	3.75	147.6	129.7	2822.4	-199.1	199.09	-42.8	42.84	-8.11	8.11	268	2671.9
	0																-189.2		-42.8		-8.11			
15	3.75	W18x40	6	236.2	W14X342	3.75	147.64	3.75	147.6	3.75	147.6	W14X257	3.75	147.6	129.7	2822.4	-245.1	245.1	-52.5	52.48	-10.14	10.14	331	2671.9
	0																-235.3		-52.5		-10.14			
14	3.75	W18x40	6	236.2	W14X342	3.75	147.64	3.75	147.6	3.75	147.6	W14X257	3.75	147.6	129.7	2822.4	-291.1	291.14	-62.1	62.13	-12.09	12.09	393	2671.9
	0																-281.3		-62.1		-12.09			
13	3.75	W18x40	6	236.2	W14X342	3.75	147.64	3.75	147.6	3.75	147.6	W14X257	3.75	147.6	129.7	2822.4	-337.2	337.23	-71.8	71.79	-13.98	13.98	455	2671.9
	0																-327.4		-71.8		-13.98			

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12	3.75	0	W18x46	6	236.2	W14X342	3.75	147.64	W14X283	3.75	147.6	219.1	129.6	3265.2	-383.6	383.64	-81.4	81.41	-15.93	15.93	517	3090.9
	3.75	0	W18x46	6	236.2	W14X370	3.75	147.64	W14X283	3.75	147.6	218.9	129.5	3265.2	-430.1	430.09	-91	91.03	-17.86	17.86	579	3091.3
11	3.75	0	W18x46	6	236.2	W14X370	3.75	147.64	W14X283	3.75	147.6	218.9	129.5	3265.2	-419.9	476.6	-101	100.68	-19.64	19.64	642	3091.3
10	3.75	0	W18x46	6	236.2	W14X370	3.75	147.64	W14X283	3.75	147.6	218.9	129.5	3265.2	-466.4	523.2	-110	110.34	-21.27	21.27	704	3091.3
9	3.75	0	W18x46	6	236.2	W14X370	3.75	147.64	W14X283	3.75	147.6	218.9	129.5	3265.2	-513	570.2	-120	120.01	-22.83	22.83	767	3446.8
8	3.75	0	W18x50	6	236.2	W14X370	3.75	147.64	W14X311	3.75	147.6	218.7	129.6	3636	-559.7	617.35	-130	129.71	-24.28	24.28	830	3454.5
7	3.75	0	W18x50	6	236.2	W14X426	3.75	147.64	W14X311	3.75	147.6	218.3	129.6	3636	-606.8	664.54	-139	139.43	-25.51	25.51	893	3454.5
6	3.75	0	W18x50	6	236.2	W14X426	3.75	147.64	W14X311	3.75	147.6	218.3	129.6	3636	-654	711.8	-149	149.18	-26.53	26.53	955	3454.5
5	3.75	0	W18x50	6	236.2	W14X426	3.75	147.64	W14X311	3.75	147.6	218.3	129.6	3636	-701.2	759.57	-159	158.93	-27.29	27.29	1018	3469.6
4	3.75	0	W18x50	6	236.2	W14X455	3.75	147.64	W14X426	3.75	147.6	217.4	129.6	3636	-748.7	807.47	-169	168.72	-27.86	27.86	1081	3469.6
3	3.75	0	W18x50	6	236.2	W14X455	3.75	147.64	W14X426	3.75	147.6	217.4	129.6	3636	-796.6	855.53	-179	178.57	-28.12	28.12	1144	3469.6
2	3.75	0	W18x50	6	236.2	W14X455	3.75	147.64	W14X426	3.75	147.6	217.4	129.6	3636	-844.6	903.81	-188	188.47	-28.08	28.08	1207	3469.6
1	3.75	0	W18x50	6	236.2	W14X455	3.75	147.64	W14X426	3.75	147.6	217.4	129.6	3636	-892.9		-188		-28.08			

K2 (Arah Y)		Balok		K2			K3			L' (m)	h' (m)	MP (kNm)	PD (Kips)	PD Pakai (Kips)	PL (Kips)	PL Pakai (Kips)	PE (Kips)	PE Pakai (Kips)	Pd (Kips)	Mu (K-40)
Lantai	Stasiun	Arti y Balok	L (m)	t (mm)	Profil	h (mm)	h (mm)	h (mm)												
20	3.75	W16X31	6	236.2	W14X176	3.75	147.64	W14X211	3.75	147.6	1944	-15.94	15.94	4.5	4.5	-0.88	0.88	22.3	919.66	
	0											-13.78		4.5		-0.88				
19	3.75	W16X31	6	236.2	W14X193	3.75	147.64	W14X311	3.75	147.6	1944	-61.64	61.64	15.05	15.05	-2.37	2.37	83.9	867.32	
	0											-52.42		15.05		-2.37				
18	3.75	W16X31	6	236.2	W14X311	3.75	147.64	W14X342	3.75	147.6	1944	-107.4	107.37	25.58	25.58	-4.22	4.22	146	867.32	
	0											-97.85		25.58		-4.22				
17	3.75	W16X31	6	236.2	W14X311	3.75	147.64	W14X342	3.75	147.6	1944	-153.1	153.09	36.09	36.09	-6.09	6.09	208	867.32	
	0											-143.6		36.09		-6.09				

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16	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X370	3.75	147.6	236.2	131.7	1944	-199.1	199.09	46.58	46.58	-8.11	8.11	270	867.32
	0													-189.2		46.58	-8.11				
15	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X370	3.75	147.6	236.2	131.7	1944	-245.1	245.1	57.34	57.34	-10.14	10.14	333	867.32
	0													-235.3		57.34	-10.14				
14	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X370	3.75	147.6	236.2	131.7	1944	-291.1	291.14	68.13	68.13	-12.09	12.09	396	867.32
	0													-281.3		68.13	-12.09				
13	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X370	3.75	147.6	236.2	131.7	1944	-337.2	337.23	78.83	78.83	-13.98	13.98	458	867.32
	0													-327.4		78.83	-13.98				
12	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X398	3.75	147.6	236.2	131.7	1944	-383.6	383.64	89.45	89.45	-15.93	15.93	521	867.32
	0													-373.5		89.45	-15.93				
11	3.75	W16X31	6	236.2	W14X370	3.75	147.64	W14X398	3.75	147.6	236.2	131.7	1944	-430.1	430.09	99.98	99.98	-17.86	17.86	584	867.32
	0													-419.9		99.98	-17.86				
10	3.75	W16X31	6	236.2	W14X370	3.75	147.64	W14X398	3.75	147.6	236.2	131.7	1944	-476.6	476.6	110.6	110.6	-19.64	19.64	647	867.32
	0													-466.4		110.6	-19.64				
9	3.75	W16X31	6	236.2	W14X370	3.75	147.64	W14X398	3.75	147.6	236.2	131.7	1944	-523.2	523.18	121.2	121.2	-21.27	21.27	710	867.32
	0													-513		121.2	-21.27				
8	3.75	W16X31	6	236.2	W14X370	3.75	147.64	W14X455	3.75	147.6	236.2	131.7	1944	-570.2	570.23	131.8	131.77	-22.83	22.83	773	867.32
	0													-559.7		131.8	-22.83				
7	3.75	W16X31	6	236.2	W14X426	3.75	147.64	W14X455	3.75	147.6	236.2	131.7	1944	-617.4	617.35	142.2	142.24	-24.28	24.28	836	867.32
	0													-606.8		142.2	-24.28				
6	3.75	W16X31	6	236.2	W14X426	3.75	147.64	W14X455	3.75	147.6	236.2	131.7	1944	-664.5	664.54	152.6	152.61	-25.51	25.51	899	867.32
	0													-654		152.6	-25.51				
5	3.75	W16X31	6	236.2	W14X426	3.75	147.64	W14X455	3.75	147.6	236.2	131.7	1944	-711.8	711.83	162.9	162.93	-26.53	26.53	962	867.32
	0													-701.2		162.9	-26.53				
4	3.75	W16X31	6	236.2	W14X455	3.75	147.64	W14X500	3.75	147.6	236.2	131.7	1944	-759.6	759.57	173.2	173.19	-27.29	27.29	1025	867.32
	0													-748.7		173.2	-27.29				
3	3.75	W16X31	6	236.2	W14X455	3.75	147.64	W14X500	3.75	147.6	236.2	131.7	1944	-807.5	807.47	183.4	183.35	-27.86	27.86	1088	867.32
	0													-796.6		183.4	-27.86				
2	3.75	W16X31	6	236.2	W14X455	3.75	147.64	W14X500	3.75	147.6	236.2	131.7	1944	-855.5	855.53	193.4	193.41	-28.12	28.12	1151	867.32
	0													-844.6		193.4	-28.12				
1	3.75	W16X31	6	236.2	W14X455	3.75	147.64	W14X500	3.75	147.6	236.2	131.7	1944	-903.8	903.81	203.3	203.34	-28.08	28.08	1214	867.32
	0													-892.9		203.3	-28.08				

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K3 (Arah X)		Balok										K3		K2		L' (m)	K' (m)	M _{sp} (kNm)	PD Pakei (kgps)	PL Pakei (kgps)	PE Pakei (kgps)	P _u (kgps)	Mu (k-m)
Lantai	Stasiun	Arah x BT	L (m)	L (m)	Profil	b (mm)	h (mm)	Profil	b (mm)	h (mm)													
20	3.75	W16X31	6	236.2	W14X176	3.75	147.64	W14X176	3.75	147.6	221	139.7	1944	-15.45	15.45	-3.97	3.97	0	0	20.5	1965.8		
	0													-13.5		-3.97		0					
19	3.75	W18x40	6	236.2	W14X233	3.75	147.64	W14X233	3.75	147.6	220.2	130.7	2822.4	-60.44	60.44	-13.8	13.79	0	0	79.4	2680.9		
	0													-51.49		-13.8		0					
18	3.75	W18x40	6	236.2	W14X257	3.75	147.64	W14X257	3.75	147.6	219.8	129.7	2822.4	-105.5	105.54	-23.5	23.54	0	0	138	2665.2		
	0													-96.31		-23.5		0					
17	3.75	W18x40	6	236.2	W14X257	3.75	147.64	W14X257	3.75	147.6	219.8	129.7	2822.4	-150.6	150.62	-33.3	33.29	0	0	197	2665.2		
	0													-141.4		-33.3		0					
16	3.75	W18x40	6	236.2	W14X283	3.75	147.64	W14X283	3.75	147.6	219.5	129.7	2822.4	-196	195.98	-43	43.01	0	0	257	2668.9		
	0													-186.5		-43		0					
15	3.75	W18x40	6	236.2	W14X283	3.75	147.64	W14X283	3.75	147.6	219.5	129.7	2822.4	-241.4	241.36	-52.7	52.73	0	0	316	2668.9		
	0													-231.8		-52.7		0					
14	3.75	W18x40	6	236.2	W14X283	3.75	147.64	W14X283	3.75	147.6	219.5	129.7	2822.4	-286.8	286.79	-62.5	62.45	0	0	375	2668.9		
	0													-277.3		-62.5		0					
13	3.75	W18x40	6	236.2	W14X283	3.75	147.64	W14X283	3.75	147.6	219.5	129.7	2822.4	-332.3	332.27	-72.2	72.19	0	0	435	2668.9		
	0													-322.8		-72.2		0					
12	3.75	W18x46	6	236.2	W14X311	3.75	147.64	W14X311	3.75	147.6	219.1	129.6	3265.2	-378.1	378.1	-81.9	81.89	0	0	495	3090.9		
	0													-368.3		-81.9		0					
11	3.75	W18x46	6	236.2	W14X311	3.75	147.64	W14X311	3.75	147.6	219.1	129.5	3265.2	-424	423.98	-91.6	91.61	0	0	555	3088.5		
	0													-414.1		-91.6		0					
10	3.75	W18x46	6	236.2	W14X311	3.75	147.64	W14X311	3.75	147.6	219.1	129.5	3265.2	-469.9	469.94	-101	101.34	0	0	615	3088.5		
	0													-460.1		-101		0					
9	3.75	W18x46	6	236.2	W14X311	3.75	147.64	W14X311	3.75	147.6	219.1	129.5	3265.2	-516	515.99	-111	111.08	0	0	675	3088.5		
	0													-506.1		-111		0					
8	3.75	W18x50	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	218.7	129.6	3636	-562.5	562.47	-121	120.84	0	0	735	3446.8		
	0													-552.3		-121		0					
7	3.75	W18x50	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	218.7	129.6	3636	-609.1	609.06	-131	130.61	0	0	796	3448.1		
	0													-598.9		-131		0					
6	3.75	W18x50	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	218.7	129.6	3636	-655.8	655.77	-140	140.4	0	0	857	3448.1		
	0													-645.6		-140		0					
5	3.75	W18x50	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	218.7	129.6	3636	-702.6	702.61	-150	150.21	0	0	918	3448.1		
	0													-692.4		-150		0					
4	3.75	W18x50	6	236.2	W14X426	3.75	147.64	W14X426	3.75	147.6	217.5	129.6	3636	-750.1	750.05	-160	160.03	0	0	980	3467.2		
	0																	0					

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[illegible]

K3 (Arah Y)		Balok										K3			K4			L' (m)	R' (m)	Rip (mm)	PD (Kips)	PB Pakai (Kips)	PL (Kips)	PL Pakai (Kips)	PE (Kips)	PE Pakai (Kips)	Pu (Kips)	Mu		
		Arif Y BA		L (m)		L (in)		Profil		h (m)		h (in)		Profil		h (m)													h (in)	
				Arif Y BA	L (m)	L (in)	Profil	h (m)	h (in)	Profil	h (m)	h (in)	Profil	h (m)	h (in)															
Landai	Stasiun	3.75	W16X31	6	236.2	W14X176	3.75	147.64	W14X211	3.75	147.6	139.7	1944	-15.45	15.45	-3.97	3.97	0	0	20.5	919.66									
20	0													-13.5		-3.97		0												
	3.75	W16X31	6	236.2	W14X233	3.75	147.64	W14X311	3.75	147.6	131.7	1944	-60.44	60.44	-13.8	13.79	0	0	79.4	867.32										
19	0													-51.49		-13.8		0												
	3.75	W16X31	6	236.2	W14X257	3.75	147.64	W14X370	3.75	147.6	131.7	1944	-105.5	105.54	-23.5	23.54	0	0	138	867.32										
18	0													-96.31		-23.5		0												
	3.75	W16X31	6	236.2	W14X257	3.75	147.64	W14X370	3.75	147.6	131.7	1944	-150.6	150.62	-33.3	33.29	0	0	197	867.32										
17	0													-141.4		-33.3		0												
	3.75	W16X31	6	236.2	W14X283	3.75	147.64	W14X398	3.75	147.6	131.7	1944	-196	195.98	-43	43.01	0	0	257	867.32										
16	0													-186.5		-43		0												
	3.75	W16X31	6	236.2	W14X283	3.75	147.64	W14X398	3.75	147.6	131.7	1944	-241.4	241.36	-52.7	52.73	0	0	316	867.32										
15	0													-231.8		-52.7		0												
	3.75	W16X31	6	236.2	W14X283	3.75	147.64	W14X398	3.75	147.6	131.7	1944	-286.8	286.79	-62.5	62.45	0	0	375	867.32										
14	0													-277.3		-62.5		0												
	3.75	W16X31	6	236.2	W14X283	3.75	147.64	W14X398	3.75	147.6	131.7	1944	-332.3	332.27	-72.2	72.19	0	0	435	867.32										
13	0													-322.8		-72.2		0												
	3.75	W16X31	6	236.2	W14X311	3.75	147.64	W14X426	3.75	147.6	131.7	1944	-378.1	378.1	-81.9	81.89	0	0	495	867.32										
12	0													-368.3		-81.9		0												
	3.75	W16X31	6	236.2	W14X311	3.75	147.64	W14X426	3.75	147.6	131.7	1944	-424	423.98	-91.6	91.61	0	0	555	867.32										
11	0													-414.1		-91.6		0												
	3.75	W16X31	6	236.2	W14X311	3.75	147.64	W14X426	3.75	147.6	131.7	1944	-469.9	469.94	-101	101.34	0	0	615	867.32										
10	0													-460.1		-101		0												
	3.75	W16X31	6	236.2	W14X311	3.75	147.64	W14X426	3.75	147.6	131.7	1944	-516	515.99	-111	111.08	0	0	675	867.32										
9	0													-506.1		-111		0												
	3.75	W16X31	6	236.2	W14X311	3.75	147.64	W14X426	3.75	147.6	131.7	1944	-562.5	562.47	-121	120.84	0	0	735	867.32										
8	0																	0												
	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X455	3.75	147.6	131.7	1944																		

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Lantai	Station	Balok		(K4)		(K5)		L' (m)	h' (m)	Mp (kN)	PD (kN)	PL (kN)	PE (kN)	Pu (kN)	Mu (kN-m)
		Arb x B2	L (m)	Profil	b (m)	h (m)	h' (m)								
7	0														
	3.75	W16X31	6	W14X342	3.75	147.64	147.64	236.2	131.7	1944	-552.3	-121	0	796	867.32
6	0														
	3.75	W16X31	6	W14X342	3.75	147.64	147.64	236.2	131.7	1944	-609.1	-131	0	857	867.32
5	0														
	3.75	W16X31	6	W14X342	3.75	147.64	147.64	236.2	131.7	1944	-598.9	-140	0	918	867.32
4	0														
	3.75	W16X31	6	W14X342	3.75	147.64	147.64	236.2	131.7	1944	-655.8	-150	0	980	867.32
3	0														
	3.75	W16X31	6	W14X342	3.75	147.64	147.64	236.2	131.7	1944	-645.6	-160	0	1042	867.32
2	0														
	3.75	W16X31	6	W14X342	3.75	147.64	147.64	236.2	131.7	1944	-702.6	-170	0	1104	867.32
1	0														
	3.75	W16X31	6	W14X342	3.75	147.64	147.64	236.2	131.7	1944	-750.1	-180	0	1166	867.32

Lantai	Station	Balok		(K4)		(K5)		L' (m)	h' (m)	Mp (kN)	PD (kN)	PL (kN)	PE (kN)	Pu (kN)	Mu (kN-m)
		Arb x B2	L (m)	Profil	b (m)	h (m)	h' (m)								
20	3.75	W18X35	6	W14X159	3.75	147.64	147.64	220.9	138.8	2394	-16.82	-4.35	-2.33	24.7	1203.4
	0										-14.87	-4.35	-2.33		
19	3.75	W21X50	6	W14X193	3.75	147.64	147.64	219.9	128.4	3960	-64.07	-15.1	-7.88	92.3	1849.5
	0										-55.34	-15.1	-7.88		
18	3.75	W21X55	6	W14X311	3.75	147.64	147.64	218.9	126.8	4536	-113.4	-26	-16.15	165	2102.4
	0										-103.2	-26	-16.15		
17	3.75	W21X55	6	W14X311	3.75	147.64	147.64	218.9	126.8	4536	-162.9	-37	-26.32	240	2102.4
	0										-152.7	-37	-26.32		
16	3.75	W24X55	6	W14X342	3.75	147.64	147.64	218.5	125.4	4860	-213.2	-48.2	-40.01	320	2231.8
	0										-202.6	-48.2	-40.01		
15	3.75	W24X55	6	W14X342	3.75	147.64	147.64	218.5	124	4860	-263.4	-59.3	-55.75	402	2206.9
	0										-252.8	-59.3	-55.75		
14	3.75	W24X55	6	W14X342	3.75	147.64	147.64	218.5	124	4860	-313.5	-70.4	-73.61	485	2206.9
	0										-302.9	-70.4	-73.61		
13	3.75	W24X55	6	W14X342	3.75	147.64	147.64	218.5	124	4860	-363.5	-81.5	-93.15	570	2206.9
	0										-352.9	-81.5	-93.15		
12	3.75	W24X62	6	W14X398	3.75	147.64	147.64	218.3	124	5544	-414.1	-92.6	-116	659	2518.8

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[illegible]

K4 (Arah Y)		Balok			(K4)				(K4)				L' (in)	n' (in)	Mip (k.in)	PD (Kips)	PD Patai (Kips)	PL (Kips)	PL Patai (Kips)	PE (Kips)	PE Patai (Kips)	Fu (Kips)	Mfs (K.in)
Lantai	Slabon	Arb Y BS	L (ft)	L (ft)	Pyrom	a (in)	b (in)	Profil	a (in)	b (in)	L' (in)	n' (in)											
20	3.75	W16X26	6	236.2	W14X159	3.75	147.64	W14X159	3.75	147.6	236.2	139.8	1591.2	-16.82	16.82	-4.35	4.35	-2.33	2.33	24.7	1506.6		
	0												1591.2	-14.87		-4.35		-2.33					
19	3.75	W16X26	6	236.2	W14X193	3.75	147.64	W14X193	3.75	147.6	236.2	131.9	1591.2	-64.07	64.07	-15.1	15.05	(7.88)	7.88	92.3	1422		
	0												1591.2	-55.34		-15.1		(7.88)					
18	3.75	W16X26	6	236.2	W14X311	3.75	147.64	W14X311	3.75	147.6	236.2	131.9	1591.2	-113.4	113.42	-26	26.01	-16.15	16.15	165	1422		
	0												1591.2	-103.2		-26		-16.15					
17	3.75	W16X26	6	236.2	W14X311	3.75	147.64	W14X311	3.75	147.6	236.2	131.9	1591.2	-162.9	162.88	-37	37	-26.32	26.32	240	1422		
	0												1591.2	-152.7		-37		-26.32					

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16	3.75	W16X26	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	236.2	131.9	1591.2	-213.2	213.17	-48.2	48.17	-40.01	40.01	320	1422
	0													-202.6		-48.2		-40.01			
15	3.75	W16X26	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	236.2	131.9	1591.2	-263.4	263.41	-59.3	59.33	-55.75	55.75	402	1422
	0													-252.8		-59.3		-55.75			
14	3.75	W16X26	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	236.2	131.9	1591.2	-313.5	313.52	-70.4	70.43	-73.61	73.61	485	1422
	0													-302.9		-70.4		-73.61			
13	3.75	W16X26	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	236.2	131.9	1591.2	-363.5	363.49	-81.5	81.48	-93.15	93.15	570	1422
	0													-352.9		-81.5		-93.15			
12	3.75	W16X26	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	236.2	131.9	1591.2	-414.1	414.08	-92.6	92.63	-116	116	659	1422
	0													-403.2		-92.6		-116			
11	3.75	W16X26	6	236.2	W14X370	3.75	147.64	W14X370	3.75	147.6	236.2	131.9	1591.2	-464.5	464.52	-104	103.71	-140.3	140.3	750	1422
	0													-453.6		-104		-140.3			
10	3.75	W16X26	6	236.2	W14X370	3.75	147.64	W14X370	3.75	147.6	236.2	131.9	1591.2	-514.7	514.73	-115	114.71	-166	166	841	1422
	0													-503.8		-115		-166			
9	3.75	W16X26	6	236.2	W14X370	3.75	147.64	W14X370	3.75	147.6	236.2	131.9	1591.2	-564.7	564.68	-126	125.61	-192.7	192.7	933	1422
	0													-553.8		-126		-192.7			
8	3.75	W16X26	6	236.2	W14X370	3.75	147.64	W14X370	3.75	147.6	236.2	131.9	1591.2	-615.5	615.46	-137	136.56	-223	223	1030	1422
	0													-603.9		-137		-223			
7	3.75	W16X26	6	236.2	W14X426	3.75	147.64	W14X426	3.75	147.6	236.2	131.9	1591.2	-666	666.01	-147	147.41	-254	254	1127	1422
	0													-654.4		-147		-254			
6	3.75	W16X26	6	236.2	W14X426	3.75	147.64	W14X426	3.75	147.6	236.2	131.9	1591.2	-716.2	716.2	-158	158.14	-285.9	285.9	1224	1422
	0													-704.6		-158		-285.9			
5	3.75	W16X26	6	236.2	W14X426	3.75	147.64	W14X426	3.75	147.6	236.2	131.9	1591.2	-766	766.04	-169	168.72	-317.9	317.9	1322	1422
	0													-754.5		-169		-317.9			
4	3.75	W16X26	6	236.2	W14X455	3.75	147.64	W14X455	3.75	147.6	236.2	131.9	1591.2	-816.1	816.12	-179	179.23	-352.7	352.7	1422	1422
	0													-804.2		-179		-352.7			
3	3.75	W16X26	6	236.2	W14X455	3.75	147.64	W14X455	3.75	147.6	236.2	131.9	1591.2	-865.8	865.83	-190	189.59	-386.8	386.8	1521	1422
	0													-853.9		-190		-386.8			
2	3.75	W16X26	6	236.2	W14X455	3.75	147.64	W14X455	3.75	147.6	236.2	131.9	1591.2	-915.1	915.11	-200	199.78	-418.8	418.8	1617	1422
	0													-903.2		-200		-418.8			
1	3.75	W16X26	6	236.2	W14X455	3.75	147.64	W14X455	3.75	147.6	236.2	131.9	1591.2	-963.9	963.87	-210	209.76	-443.4	443.4	1705	1422
	0													-951.9		-210		-443.4			

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K5 (Arah X)

LAMPIRAN C-1

[illegible]

KS (Arah Y)		Bastok			(K5)			(K3)			L' (in)	b' (in)	MD	PD	PD	PL	PL	PE	PE	Pa	Ru
Lantai	Stasiun	Arh Y B4	L (in)	Profile	h (in)	h (in)	Profile	h (in)	h (in)	L' (in)	b' (in)	MD	PD	PD	PL	PL	PE	PE	Pa	Ru	
20	3.75	W16X31	6	236.2	W14X176	3.75	147.64	W14X176	3.75	147.6	139.7	1944	-28.64	28.64	-7.27	7.27	-1.12	1.12	38	1839.3	
		0											-26.05		-7.27		-1.12				
19	3.75	W16X31	6	236.2	W14X193	3.75	147.64	W14X193	3.75	147.6	131.7	1944	-98.57	98.57	-26.1	26.05	(3.55)	3.55	131	1734.6	
		0											-88.38		-26.1		(3.55)				
18	3.75	W16X31	6	236.2	W14X311	3.75	147.64	W14X311	3.75	147.6	131.7	1944	-168.3	168.3	-44.6	44.57	-6.18	6.18	224	1734.6	
		0											-157.7		-44.6		-6.18				
17	3.75	W16X31	6	236.2	W14X311	3.75	147.64	W14X311	3.75	147.6	131.7	1944	-238	237.96	-63.1	63.06	-8.79	8.79	317	1734.6	
		0											-227.4		-63.1		-8.79				
16	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	131.7	1944	-307.5	307.53	-81.4	81.38	-11.73	11.73	410	1734.6	
		0											-296.6		-81.4		-11.73				
15	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	131.7	1944	-377.2	377.18	-99.7	99.73	-14.62	14.62	502	1734.6	
		0											-366.3		-99.7		-14.62				
14	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	131.7	1944	-447	447.02	-118	118.15	-17.4	17.4	595	1734.6	
		0											-436.1		-118		-17.4				
13	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	131.7	1944	-517.1	517.05	-137	136.64	-20.07	20.07	689	1734.6	
		0											-506.1		-137		-20.07				
12	3.75	W16X31	6	236.2	W14X342	3.75	147.64	W14X342	3.75	147.6	131.7	1944	-587.4	587.37	-155	155.06	-22.9	22.9	782	1734.6	
		0											-576.1		-155		-22.9				
11	3.75	W16X31	6	236.2	W14X370	3.75	147.64	W14X370	3.75	147.6	131.7	1944	-657.9	657.91	-174	173.56	-25.64	25.64	876	1734.6	
		0											-646.7		-174		-25.64				
10	3.75	W16X31	6	236.2	W14X370	3.75	147.64	W14X370	3.75	147.6	131.7	1944	-728.8	728.76	-192	192.18	-28.15	28.15	971	1734.6	
		0											-717.5		-192		-28.15				
9	3.75	W16X31	6	236.2	W14X370	3.75	147.64	W14X370	3.75	147.6	131.7	1944	-800	799.95	-211	210.93	-30.48	30.48	1065	1734.6	
		0											-788.7		-211		-30.48				

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8	3.75	W16X31	6	236.2	W14X370	3.75	147.6	236.2	131.7	1944	-872	871.99	-230	229.68	-32.69	1161	1734.6
	0										-860		-230		-32.69		
7	3.75	W16X31	6	236.2	W14X426	3.75	147.6	236.2	131.7	1944	-944.3	944.27	-249	248.53	-34.62	1257	1734.6
	0										-932.3		-249		-34.62		
6	3.75	W16X31	6	236.2	W14X426	3.75	147.6	236.2	131.7	1944	-1017	1016.9	-268	267.52	-36.2	1354	1734.6
	0										-1005		-268		-36.2		
5	3.75	W16X31	6	236.2	W14X426	3.75	147.6	236.2	131.7	1944	-1090	1089.9	-287	286.67	-37.41	1451	1734.6
	0										-1078		-287		-37.41		
4	3.75	W16X31	6	236.2	W14X455	3.75	147.6	236.2	131.7	1944	-1164	1163.8	-306	305.9	-38.31	1549	1734.6
	0										-1151		-306		-38.31		
3	3.75	W16X31	6	236.2	W14X455	3.75	147.6	236.2	131.7	1944	-1238	1238	-325	325.3	-38.92	1648	1734.6
	0										-1226		-325		-38.92		
2	3.75	W16X31	6	236.2	W14X455	3.75	147.6	236.2	131.7	1944	-1313	1312.7	-345	344.87	-39.01	1748	1734.6
	0										-1300		-345		-39.01		
1	3.75	W16X31	6	236.2	W14X455	3.75	147.6	236.2	131.7	1944	-1388	1388	-365	364.69	-38.67	1848	1734.6
	0										-1375		-365		-38.67		

Lantai	Station	Balok		K6				K5				h'	h _{sp}	PD	PD	PL	PL	PE	PE	Pu	Mu
		Arh x B _f	L	Profil	h	h	h	Profil	h	h	h										
20	3.75	W18X35	6	236.2	W14X211	3.75	147.64	W14X176	3.75	147.6	220.8	138.8	2394	29.94	29.94	-7.77	7.77	-1.12	1.12	39.8	2408
	0													-27.35	-27.35	-7.77		-1.12			
19	3.75	W21X50	6	236.2	W14X311	3.75	147.64	W14X193	3.75	147.6	219.9	128.4	3960	-102.2	-102.2	-27.4	27.38	-3.55	3.55	136	3698.9
	0													-91.99	-91.99	-27.4		-3.55			
18	3.75	W21X55	6	236.2	W14X370	3.75	147.64	W14X311	3.75	147.6	218.7	126.8	4536	-175.2	-175.2	-47	46.97	-6.18	6.18	234	4208.7
	0													-164.3	-164.3	-47		-6.18			
17	3.75	W21X55	6	236.2	W14X370	3.75	147.64	W14X311	3.75	147.6	218.7	126.8	4536	-248.2	-248.2	-66.6	66.55	-8.79	8.79	331	4208.7
	0													-237.2	-237.2	-66.6		-8.79			
16	3.75	W24X55	6	236.2	W14X398	3.75	147.64	W14X342	3.75	147.6	218.3	125.4	4860	-321.5	-321.5	-86.1	86.13	-11.73	11.73	429	4467.8
	0													-310.2	-310.2	-86.1		-11.73			
15	3.75	W24X55	6	236.2	W14X398	3.75	147.64	W14X342	3.75	147.6	218.3	124	4860	-394.7	-394.7	-106	105.69	-14.62	14.62	526	4417.9
	0													-383.5	-383.5	-106		-14.62			
14	3.75	W24X55	6	236.2	W14X398	3.75	147.64	W14X342	3.75	147.6	218.3	124	4860	-467.9	-467.9	-125	125.25	-17.4	17.4	624	4417.9
	0													-456.7	-456.7	-125		-17.4			
13	3.75	W24X55	6	236.2	W14X398	3.75	147.64	W14X342	3.75	147.6	218.3	124	4860	-541.1	-541.1	-145	144.8	-20.07	20.07	722	4417.9
	0													-529.9	-529.9	-145		-20.07			

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12	3.75	W24X62	6	236.2	W14X426	3.75	147.64	W14X342	3.75	147.6	218.1	124	5544	-614.7	614.68	-164	164.35	-22.9	22.9	820	5042.3
	0													-603.1		-164		-22.9			
11	3.75	W24X62	6	236.2	W14X426	3.75	147.64	W14X370	3.75	147.6	217.9	123.9	5544	-688.2	688.18	-184	183.88	-25.64	25.64	918	5044.9
	0													-676.6		-184		-25.64			
10	3.75	W24X62	6	236.2	W14X426	3.75	147.64	W14X370	3.75	147.6	217.9	123.9	5544	-761.6	761.64	-203	203.41	-28.15	28.15	1016	5044.9
	0													-750.1		-203		-28.15			
9	3.75	W24X62	6	236.2	W14X426	3.75	147.64	W14X370	3.75	147.6	217.9	123.9	5544	-835	835.03	-223	222.94	-30.48	30.48	1114	5044.9
	0													-823.5		-223		-30.48			
8	3.75	W24X68	6	236.2	W14X455	3.75	147.64	W14X370	3.75	147.6	217.8	123.9	6372	-908.8	908.78	-242	242.43	-32.69	32.69	1212	5802.3
	0													-896.8		-242		-32.69			
7	3.75	W24X68	6	236.2	W14X455	3.75	147.64	W14X426	3.75	147.6	217.4	123.9	6372	-982.6	982.59	-262	261.96	-34.62	34.62	1310	5813
	0													-970.6		-262		-34.62			
6	3.75	W24X68	6	236.2	W14X455	3.75	147.64	W14X426	3.75	147.6	217.4	123.9	6372	-1057	1056.5	-282	281.53	-36.2	36.2	1409	5813
	0													-1045		-282		-36.2			
5	3.75	W24X68	6	236.2	W14X455	3.75	147.64	W14X426	3.75	147.6	217.4	123.9	6372	-1131	1130.6	-301	301.16	-37.41	37.41	1507	5813
	0													-1119		-301		-37.41			
4	3.75	W24X76	6	236.2	W14X500	3.75	147.64	W14X455	3.75	147.6	216.9	123.8	7200	-1205	1205.4	-321	320.82	-38.31	38.31	1607	6576.7
	0													-1193		-321		-38.31			
3	3.75	W24X76	6	236.2	W14X500	3.75	147.64	W14X455	3.75	147.6	216.9	123.7	7200	-1280	1280.3	-341	340.52	-38.92	38.92	1707	6571.3
	0													-1268		-341		-38.92			
2	3.75	W24X76	6	236.2	W14X500	3.75	147.64	W14X455	3.75	147.6	216.9	123.7	7200	-1355	1355.3	-360	360.27	-39.01	39.01	1807	6571.3
	0													-1343		-360		-39.01			
1	3.75	W24X76	6	236.2	W14X500	3.75	147.64	W14X455	3.75	147.6	216.9	123.7	7200	-1431	1430.5	-380	380.09	-38.67	38.67	1907	6571.3
	0													-1418		-380		-38.67			

K6 (Arah Y)

Latitud	Station	Balok		K6		K6		L' (in)	h' (in)	Mp (ft-in)	PD (Kips)	PD Pakal (Kips)	PL (Kips)	PL Pakal (Kips)	PE (Kips)	PE Pakal (Kips)	Pu (Kips)	Mu (K-in)
		Arh Y B4	L (m)	Profil	h (m)	h (in)	h (in)											
20	3.75	W16X26	6	236.2	W14X211	3.75	147.64	236.2	139.8	1591.2	-29.94	29.94	-7.77	7.77	-1.12	1.12	39.8	1506.6
	0										-27.35		-7.77		-1.12			
19	3.75	W16X26	6	236.2	W14X311	3.75	147.64	236.2	131.9	1591.2	-102.2	102.17	-27.4	27.38	-3.55	3.55	136	1422
	0										-91.99		-27.4		-3.55			
18	3.75	W16X26	6	236.2	W14X370	3.75	147.64	236.2	131.9	1591.2	-175.2	175.18	-47	46.97	-6.18	6.18	234	1422
	0										-164.3		-47		-6.18			
17	3.75	W16X26	6	236.2	W14X370	3.75	147.64	236.2	131.9	1591.2	-248.2	248.16	-66.6	66.55	-8.79	8.79	331	1422
	0										-237.2		-66.6		-8.79			

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16	3.75	W16X26	6	236.2	W14X398	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-321.5	321.46	-86.1	86.13	-11.73	11.73	429	1422
	0												-310.2		-86.1		-11.73			
15	3.75	W16X26	6	236.2	W14X398	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-394.7	394.71	-106	105.69	-14.62	14.62	526	1422
	0												-383.5		-106		-14.62			
14	3.75	W16X26	6	236.2	W14X398	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-467.9	467.93	-125	125.25	-17.4	17.4	624	1422
	0												-456.7		-125		-17.4			
13	3.75	W16X26	6	236.2	W14X398	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-541.1	541.1	-145	144.8	-20.07	20.07	722	1422
	0												-529.9		-145		-20.07			
12	3.75	W16X26	6	236.2	W14X426	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-614.7	614.68	-164	164.35	-22.9	22.9	820	1422
	0												-603.1		-164		-22.9			
11	3.75	W16X26	6	236.2	W14X426	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-688.2	688.18	-184	183.88	-25.64	25.64	918	1422
	0												-676.6		-184		-25.64			
10	3.75	W16X26	6	236.2	W14X426	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-761.6	761.64	-203	203.41	-28.15	28.15	1016	1422
	0												-750.1		-203		-28.15			
9	3.75	W16X26	6	236.2	W14X426	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-835	835.03	-223	222.94	-30.48	30.48	1114	1422
	0												-823.5		-223		-30.48			
8	3.75	W16X26	6	236.2	W14X455	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-908.8	908.78	-242	242.43	-32.69	32.69	1212	1422
	0												-896.8		-242		-32.69			
7	3.75	W16X26	6	236.2	W14X455	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-982.6	982.59	-262	261.96	-34.62	34.62	1310	1422
	0												-970.6		-262		-34.62			
6	3.75	W16X26	6	236.2	W14X455	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-1057	1056.5	-282	281.53	-36.2	36.2	1409	1422
	0												-1045		-282		-36.2			
5	3.75	W16X26	6	236.2	W14X455	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-1131	1130.6	-301	301.16	-37.41	37.41	1507	1422
	0												-1119		-301		-37.41			
4	3.75	W16X26	6	236.2	W14X500	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-1205	1205.4	-321	320.82	-38.31	38.31	1607	1422
	0												-1193		-321		-38.31			
3	3.75	W16X26	6	236.2	W14X500	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-1280	1280.3	-341	340.52	-38.92	38.92	1707	1422
	0												-1268		-341		-38.92			
2	3.75	W16X26	6	236.2	W14X500	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-1355	1355.3	-360	360.27	-39.01	39.01	1807	1422
	0												-1343		-360		-39.01			
1	3.75	W16X26	6	236.2	W14X500	3.75	147.64	147.64	147.6	236.2	131.9	1591.2	-1431	1430.5	-380	380.09	-38.67	38.67	1907	1422
	0												-1418		-380		-38.67			

Tabel Distribusi Momen dan Gaya Aksial Kolom Struktur BOF

K1 Arah x																						
Lt	Sta	Badok			K11			K2			L' (m)	h' (in)	Mp (ft.in)	PD (Kips)	PD Pakal	PL (Kips)	PL Pakal	PE (Kips)	PE (Pakal)	Pu (Kips)	Mu (K.in)	
		Am x B1	L (in)	L (ft)	Profil	h (m)	h (ft)	Profil	h (in)	h (ft)												
20	3.75	W16x26	6	236.22	W14X90	3.75	147.64	W14X99	3.75	147.6	222.1	139.8	1591	-28.79	28.79	-10.17	10.17	-4.76	4.76	44.4	801.116	
	0													-27.46		-10.17		-4.76				
19	3.75	W16x31	6	236.22	W14X90	3.75	147.64	W14X109	3.75	147.6	222.1	131.8	1944	-83.33	83.33	-24.78	24.78	-11.15	11.15	124	923.284	
	0													-75.02		-24.78		-11.15				
18	3.75	W16x31	6	236.22	W14X90	3.75	147.64	W14X109	3.75	147.6	222.1	131.7	1944	113.84	113.84	-29.93	29.93	-12.24	12.24	164	922.584	
	0													105.31		-29.93		-12.24				
17	3.75	W16x31	6	236.22	W14X90	3.75	147.64	W14X109	3.75	147.6	222.1	131.7	1944	144.35	144.35	-35.08	35.08	-13.43	13.43	204	922.584	
	0													135.83		-35.08		-13.43				
16	3.75	W16x36	6	236.22	W14X109	3.75	147.64	W14X120	3.75	147.6	221.8	131.7	2304	175.25	175.25	-40.29	40.29	-15.1	15.1	246	1094.66	
	0													166.51		-40.29		-15.1				
15	3.75	W16x36	6	236.22	W14X109	3.75	147.64	W14X120	3.75	147.6	221.8	131.7	2304	206.17	206.17	-45.52	45.52	-16.8	16.8	287	1094.66	
	0													197.44		-45.52		-16.8				
14	3.75	W16x36	6	236.22	W14X109	3.75	147.64	W14X120	3.75	147.6	221.8	131.7	2304	237.06	237.06	-50.72	50.72	-18.49	18.49	328	1094.66	
	0													228.32		-50.72		-18.49				
13	3.75	W16x36	6	236.22	W14X109	3.75	147.64	W14X120	3.75	147.6	221.8	131.7	2304	267.89	267.89	-55.91	55.91	-20.23	20.23	370	1094.66	
	0													259.15		-55.91		-20.23				
12	3.75	W16x36	6	236.22	W14X132	3.75	147.64	W14X145	3.75	147.6	221.5	131.7	2304	298.96	298.96	-61.1	61.1	-22.16	22.16	411	1096.39	
	0													290.01		-61.1		-22.16				
11	3.75	W16x36	6	236.22	W14X132	3.75	147.64	W14X145	3.75	147.6	221.5	131.7	2304	329.97	329.97	-66.26	66.26	-24.2	24.2	453	1096.39	
	0													321.01		-66.26		-24.2				
10	3.75	W16x36	6	236.22	W14X132	3.75	147.64	W14X145	3.75	147.6	221.5	131.7	2304	353.52	353.52	-74.4	74.4	-36.83	36.83	498	1096.39	
	0													344.56		-74.4		-36.83				
9	3.75	W16x36	6	236.22	W14X132	3.75	147.64	W14X145	3.75	147.6	221.5	131.7	2304	440.46	440.46	-96.24	96.24	-55	55	632	1096.39	
	0													-431.5		-96.24		-55				
8	3.75	W16x40	6	236.22	W14X145	3.75	147.64	W14X176	3.75	147.6	221.2	131.7	2628	-	-	-101.4	101.35	-57.32	57.32	674	1251.51	
														-	-	-	-	-	-			

LAMPIRAN C-2

K1 (Kolom Eksterior) Arah Y																					
Lt	Sta	Balok			(K1)			(K4)			L' (in)	h' (in)	Mp	PD	PD Pakat	PL	PL Pakat	PE	PE (Pakat)	Pu	Mu
		Arah y B3	L (m)	L (ft)	Profil	h (m)	h (ft)	Profil	h (m)	h (ft)											
20	3.75	W10x33	6	236.22	W14X90	3.75	147.64	W14X99	3.75	147.6	142.8	1397	-28.79	28.79	-10.17	10.17	-4.76	4.76	44.4	675.386	
	0												-27.46		-10.17		-4.76				
19	3.75	W12x26	6	236.22	W14X90	3.75	147.64	W14X109	3.75	147.6	136.7	1339	-83.33	83.33	-24.78	24.78	-11.15	11.15	124	619.869	
	0												-75.02		-24.78		-11.15				
18	3.75	W12x26	6	236.22	W14X90	3.75	147.64	W14X109	3.75	147.6	135.4	1339	113.84	113.84	-29.93	29.93	-12.24	12.24	164	614.268	
	0												105.31		-29.93		-12.24				
17	3.75	W12x26	6	236.22	W14X90	3.75	147.64	W14X109	3.75	147.6	135.4	1339	144.35	144.35	-35.08	35.08	-13.43	13.43	204	614.268	
	0												135.83		-35.08		-13.43				
16	3.75	W12x26	6	236.22	W14X109	3.75	147.64	W14X120	3.75	147.6	135.4	1339	175.25	175.25	-40.29	40.29	-15.1	15.1	246	614.268	
	0												166.51		-40.29		-15.1				

K1 (Kolom Eksterior) Arah Y

LAMPIRAN C-2

15	3.75	W12x26	6	236.22	W14X109	3.75	147.64	W14X120	3.75	147.6	236.2	135.4	1339	206.17	206.17	45.52	45.52	-16.8	16.8	287	614.268
	0													197.44	197.44	-45.52	-45.52	-16.8			
14	3.75	W12x26	6	236.22	W14X109	3.75	147.64	W14X120	3.75	147.6	236.2	135.4	1339	237.06	237.06	50.72	50.72	-18.49	18.49	328	614.268
	0													228.32	228.32	-50.72	-50.72	-18.49			
13	3.75	W12x26	6	236.22	W14X109	3.75	147.64	W14X120	3.75	147.6	236.2	135.4	1339	267.89	267.89	55.91	55.91	-20.23	20.23	370	614.268
	0													259.15	259.15	-55.91	-55.91	-20.23			
12	3.75	W12x26	6	236.22	W14X132	3.75	147.64	W14X159	3.75	147.6	236.2	135.4	1339	298.96	298.96	61.1	61.1	-22.16	22.16	411	614.268
	0													290.01	290.01	-61.1	-61.1	-22.16			
11	3.75	W12x26	6	236.22	W14X132	3.75	147.64	W14X159	3.75	147.6	236.2	135.4	1339	329.97	329.97	66.26	66.26	-24.2	24.2	453	614.268
	0													321.01	321.01	-66.26	-66.26	-24.2			
10	3.75	W12x26	6	236.22	W14X132	3.75	147.64	W14X159	3.75	147.6	236.2	135.4	1339	353.52	353.52	74.4	74.4	-36.83	36.83	498	614.268
	0													344.56	344.56	-74.4	-74.4	-36.83			
9	3.75	W12x26	6	236.22	W14X132	3.75	147.64	W14X159	3.75	147.6	236.2	135.4	1339	440.46	440.46	96.24	96.24	-55	55	632	614.268
	0													431.5	431.5	-96.24	-96.24	-55			
8	3.75	W12x26	6	236.22	W14X145	3.75	147.64	W14X193	3.75	147.6	236.2	135.4	1339	471.59	471.59	101.4	101.4	-57.32	57.32	674	614.268
	0													462.37	462.37	-101.4	-101.4	-57.32			
7	3.75	W12x26	6	236.22	W14X145	3.75	147.64	W14X193	3.75	147.6	236.2	135.4	1339	502.75	502.75	106.46	106.46	-59.59	59.59	716	614.268
	0													493.53	493.53	-106.5	-106.5	-59.59			
6	3.75	W12x26	6	236.22	W14X145	3.75	147.64	W14X193	3.75	147.6	236.2	135.4	1339	533.88	533.88	111.55	111.55	-61.82	61.82	758	614.268
	0													524.65	524.65	-111.6	-111.6	-61.82			
5	3.75	W12x26	6	236.22	W14X159	3.75	147.64	W14X193	3.75	147.6	236.2	135.4	1339	564.96	564.96	116.61	116.61	-63.83	63.83	800	614.268
	0													555.73	555.73	-116.6	-116.6	-63.83			
4	3.75	W12x26	6	236.22	W14X159	3.75	147.64	W14X257	3.75	147.6	236.2	135.4	1339	596.32	596.32	121.66	121.66	-65.64	65.64	842	614.268
	0													586.8	586.8	-121.7	-121.7	-65.64			
3	3.75	W12x26	6	236.22	W14X159	3.75	147.64	W14X257	3.75	147.6	236.2	135.4	1339	627.62	627.62	126.67	126.67	-67.3	67.3	884	614.268
	0													618.1	618.1	-126.7	-126.7	-67.3			
2	3.75	W12x26	6	236.22	W14X159	3.75	147.64	W14X257	3.75	147.6	236.2	135.4	1339	658.83	658.83	131.65	131.65	-68.78	68.78	925	614.268
	0													-	-	-131.7	-131.7	-68.78			

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1	3.75	W12x26	6	236.22	W14X159	3.75	147.64	W14X257	3.75	147.6	236.2	135.4	1339	-	649.31	-136.6	136.55	-70.18	70.18	966	614.268
	0													689.84	680.32	-136.6		-70.18			

K2 (Arah X)		Balok			(K2)			(K3)			L' (in)	b' (in)	Mp (in)	PD (Kips)	PD Pakat (Kips)	PL (Kips)	PL Pakat (Kips)	PE (Kips)	PE (Pakat) (Kips)	Pu (Kips)	Mu (K-in)
		Arh x B1	L (m)	L (in)	Profil	h (m)	h (in)	Profil	b (m)	b (in)											
20	3.75	W16x26	6	236.22	W14X99	3.75	147.64	W14X159	3.75	147.6	221.6	139.8	1591	-2.24	2.24	2.38	2.38	-1.84	1.84	5.72	1605.85
	0													0.14				-1.84			
19	3.75	W16x31	6	236.22	W14X109	3.75	147.64	W14X176	3.75	147.6	221.5	131.8	1944	-60.94	60.94	-17.49	17.49	-11.52	11.52	93.4	1851.57
	0													-51.42		-17.49		-11.52			
18	3.75	W16x31	6	236.22	W14X109	3.75	147.64	W14X193	3.75	147.6	221.3	131.7	1944	-106.6	106.6	-27.31	27.31	-11.65	11.65	153	1851.42
	0													-98.07		-27.31		-11.65			
17	3.75	W16x31	6	236.22	W14X109	3.75	147.64	W14X193	3.75	147.6	221.3	131.7	1944	152.19	152.19	-37.12	37.12	-11.8	11.8	213	1851.42
	0													143.67		-37.12		-11.8			
16	3.75	W16x36	6	236.22	W14X120	3.75	147.64	W14X211	3.75	147.6	221.1	131.7	2304	198.28	198.28	-46.9	46.9	-11.97	11.97	273	2196.26
	0													-		-46.9		-11.97			
15	3.75	W16x36	6	236.22	W14X120	3.75	147.64	W14X211	3.75	147.6	221.1	131.7	2304	244.38	244.38	-56.69	56.69	-12.17	12.17	334	2196.26
	0													235.43		-56.69		-12.17			
14	3.75	W16x36	6	236.22	W14X120	3.75	147.64	W14X211	3.75	147.6	221.1	131.7	2304	290.53	290.53	-66.49	66.49	-12.38	12.38	394	2196.26
	0													281.58		-66.49		-12.38			
13	3.75	W16x36	6	236.22	W14X120	3.75	147.64	W14X211	3.75	147.6	221.1	131.7	2304	336.74	336.74	-76.31	76.31	-12.6	12.6	455	2196.26
	0													327.79		-76.31		-12.6			
12	3.75	W16x36	6	236.22	W14X145	3.75	147.64	W14X233	3.75	147.6	220.8	131.7	2304	383.37	383.37	-86.15	86.15	-12.83	12.83	516	2199.24
	0													374.14		-86.15		-12.83			
11	3.75	W16x36	6	236.22	W14X145	3.75	147.64	W14X233	3.75	147.6	220.8	131.7	2304	430.01	430.01	-95.99	95.99	-13.06	13.06	577	2199.24
	0													420.79		-95.99		-13.06			
10	3.75	W16x36	6	236.22	W14X145	3.75	147.64	W14X233	3.75	147.6	220.8	131.7	2304	427.04	427.04	-91.11	91.11	-16.53	16.53	575	2199.24
	0													417.81		-91.11		-16.53			
9	3.75	W16x36	6	236.22	W14X145	3.75	147.64	W14X233	3.75	147.6	220.8	131.7	2304	-531.1	531.1	-119.1	119.1	-29.15	29.15	726	2199.24
	0													-		-119.1		-29.15			

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8	3.75	W16x40	6	236.22	W14X176	3.75	147.6	220.4	131.7	2628	521.87	578.91	-129	129.02	-29.38	29.38	789	2512.11
	0											569.06	-129		-29.38			
7	3.75	W16x40	6	236.22	W14X176	3.75	147.6	220.4	131.6	2628	626.66	626.66	-138.9	138.92	-29.61	29.61	851	2511.16
	0										616.81		-138.9		-29.61			
6	3.75	W16x40	6	236.22	W14X176	3.75	147.6	220.4	131.6	2628	674.38	674.38	-148.8	148.83	-29.83	29.83	914	2511.16
	0										664.53		-148.8		-29.83			
5	3.75	W16x40	6	236.22	W14X176	3.75	147.6	220.4	131.6	2628	722.07	722.07	-158.7	158.74	-30.02	30.02	976	2511.16
	0										712.23		-158.7		-30.02			
4	3.75	W16x45	6	236.22	W14X257	3.75	147.6	219.7	131.6	2963	-770.1	770.1	-168.6	168.64	-30.2	30.2	1039	2839.66
	0										759.92		-168.6		-30.2			
3	3.75	W16x45	6	236.22	W14X257	3.75	147.6	219.7	131.5	2963	818.14	818.14	-178.6	178.56	-30.36	30.36	1101	2838.58
	0										807.96		-178.6		-30.36			
2	3.75	W16x45	6	236.22	W14X257	3.75	147.6	219.7	131.5	2963	866.19	866.19	-188.5	188.49	-30.49	30.49	1164	2838.58
	0										856.01		-188.5		-30.49			
1	3.75	W16x45	6	236.22	W14X257	3.75	147.6	219.7	131.5	2963	-914.3	914.3	-198.4	198.44	-30.57	30.57	1227	2838.58
	0										904.12		-198.4		-30.57			

K2 (Arah y)

Lt	Sta	Balok		(K2)		(K6)		L' (in)	h' (in)	Mp	PD	PD Pakai	PL	PL Pakai	PE	PE (Pakai)	Pu	Mu
		Arh y B4	L (m)	Profil	h (m)	Profil	h (m)			(k.in)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)		
20	3.75	W10x33	6	236.22	W14X99	3.75	147.6	236.2	142.8	1397	-2.24	2.24	2.38	2.38	-1.84	1.84	5.72	675.386
	0										0.14		2.38		-1.84			
19	3.75	W12x30	6	236.22	W14X109	3.75	147.6	236.2	136.6	1552	-50.94	60.94	-17.49	17.49	-11.52	11.52	93.4	717.919
	0										-51.42		-17.49		-11.52			
18	3.75	W12x30	6	236.22	W14X109	3.75	147.6	236.2	135.3	1552	-106.6	106.6	-27.31	27.31	-11.65	11.65	153	711.167
	0										-98.07		-27.31		-11.65			
17	3.75	W12x30	6	236.22	W14X109	3.75	147.6	236.2	135.3	1552	152.19	152.19	-37.12	37.12	-11.8	11.8	213	711.167
	0										143.67		-37.12		-11.8			
16	3.75	W12x30	6	236.22	W14X120	3.75	147.6	236.2	135.3	1552	198.28	198.28	-46.9	46.9	-11.97	11.97	273	711.167
	0										189.33		-46.9		-11.97			

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15	3.75	W12x30	6	236.22	W14X120	3.75	147.64	W14X233	3.75	147.6	236.2	135.3	1552	244.38	-56.69	56.69	-12.17	12.17	334	711.167
	0													235.43	-56.69		-12.17			
14	3.75	W12x30	6	236.22	W14X120	3.75	147.64	W14X233	3.75	147.6	236.2	135.3	1552	290.53	-66.49	66.49	-12.38	12.38	394	711.167
	0													281.58	-66.49		-12.38			
13	3.75	W12x30	6	236.22	W14X120	3.75	147.64	W14X233	3.75	147.6	236.2	135.3	1552	336.74	-76.31	76.31	-12.6	12.6	455	711.167
	0													327.79	-76.31		-12.6			
12	3.75	W12x30	6	236.22	W14X145	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	383.37	-86.15	86.15	-12.83	12.83	516	711.167
	0													374.14	-86.15		-12.83			
11	3.75	W12x30	6	236.22	W14X145	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	430.01	-95.99	95.99	-13.06	13.06	577	711.167
	0													420.79	-95.99		-13.06			
10	3.75	W12x30	6	236.22	W14X145	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	427.04	-91.11	91.11	-16.53	16.53	575	711.167
	0													417.81	-91.11		-16.53			
9	3.75	W12x30	6	236.22	W14X145	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	531.1	-119.1	119.1	-29.15	29.15	726	711.167
	0													521.87	-119.1		-29.15			
8	3.75	W12x30	6	236.22	W14X176	3.75	147.64	W14X311	3.75	147.6	236.2	135.3	1552	578.91	-129	129.02	-29.38	29.38	789	711.167
	0													569.06	-129		-29.38			
7	3.75	W12x30	6	236.22	W14X176	3.75	147.64	W14X311	3.75	147.6	236.2	135.3	1552	626.66	-138.9	138.92	-29.61	29.61	851	711.167
	0													616.81	-138.9		-29.61			
6	3.75	W12x30	6	236.22	W14X176	3.75	147.64	W14X311	3.75	147.6	236.2	135.3	1552	674.38	-148.8	148.83	-29.83	29.83	914	711.167
	0													664.53	-148.8		-29.83			
5	3.75	W12x30	6	236.22	W14X176	3.75	147.64	W14X311	3.75	147.6	236.2	135.3	1552	722.07	-158.7	158.74	-30.02	30.02	976	711.167
	0													712.23	-158.7		-30.02			
4	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X370	3.75	147.6	236.2	135.3	1552	770.1	-168.6	168.64	-30.2	30.2	1039	711.167
	0													759.92	-168.6		-30.2			
3	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X370	3.75	147.6	236.2	135.3	1552	818.14	-178.6	178.56	-30.36	30.36	1101	711.167
	0													807.96	-178.6		-30.36			
2	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X370	3.75	147.6	236.2	135.3	1552	866.19	-188.5	188.49	-30.49	30.49	1164	711.167
														866.19	-188.5		-30.49			

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1	W12x30	6	236.22	W14X257	3.75	147.64	W14X370	3.75	147.6	236.2	135.3	1552	904.12	914.3	-188.5	198.44	-30.57	1227	711.167
															-188.4				
															-30.49				
															-30.57				
0	W12x30	6	236.22	W14X257	3.75	147.64	W14X370	3.75	147.6	236.2	135.3	1552	904.12	914.3	856.01	198.4	-30.49	1227	711.167
															-914.3				
															-188.4				
0	W12x30	6	236.22	W14X257	3.75	147.64	W14X370	3.75	147.6	236.2	135.3	1552	904.12	914.3	-188.5	198.44	-30.57	1227	711.167

K3 (Arah X)

K3 (Arah X)																						
Lt	Sta	Batok			K3			K2			L' (m)	h' (m)	Mp (L/m)	PD (Kips)	PD Pakat (Kips)	PL (Kips)	PL Pakat (Kips)	PE (Kips)	PE (Pakat)	Pu (Kips)	Mu (K-in)	
		Arh x B3	L (m)	L (ft)	Profil	h (m)	h (ft)	Profil	h (m)	h (ft)												
20	3.75	W18x26	6	236.22	W14X159	3.75	147.64	W14X99	3.75	147.6	221.6	139.8	-11.36	11.36	-3.76	3.76	0	0	15.5	1605.85		
	0												-9.41	-9.41	-3.76							
19	3.75	W18x35	6	236.22	W14X176	3.75	147.64	W14X109	3.75	147.6	221.5	130.9	-53.54	53.54	-13.65	13.65	0	0	71.1	2264.61		
	0												-45.02	-45.02	-13.65							
18	3.75	W18x35	6	236.22	W14X193	3.75	147.64	W14X109	3.75	147.6	221.3	129.9	-99.82	99.82	-23.78	23.78	0	0	132	2248.84		
	0												-91.09	-91.09	-23.78							
17	3.75	W18x35	6	236.22	W14X193	3.75	147.64	W14X109	3.75	147.6	221.3	129.9	146.06	146.06	-33.89	33.89	0	0	192	2248.84		
	0												137.33	137.33	-33.89							
16	3.75	W18x40	6	236.22	W14X211	3.75	147.64	W14X120	3.75	147.6	221.1	129.8	192.49	192.49	-43.99	43.99	0	0	253	2651.62		
	0												183.53	183.53	-43.99							
15	3.75	W18x40	6	236.22	W14X211	3.75	147.64	W14X120	3.75	147.6	221.1	129.7	238.88	238.88	-54.08	54.08	0	0	314	2649.57		
	0												229.93	229.93	-54.08							
14	3.75	W18x40	6	236.22	W14X211	3.75	147.64	W14X120	3.75	147.6	221.1	129.7	285.25	285.25	-64.15	64.15	0	0	374	2649.57		
	0												-276.3	-276.3	-64.15							
13	3.75	W18x40	6	236.22	W14X211	3.75	147.64	W14X120	3.75	147.6	221.1	129.7	331.58	331.58	-74.19	74.19	0	0	435	2649.57		
	0												322.62	322.62	-74.19							
12	3.75	W18x40	6	236.22	W14X233	3.75	147.64	W14X145	3.75	147.6	220.8	129.7	378.19	378.19	-84.22	84.22	0	0	496	2653.17		
	0												368.97	368.97	-84.22							
11	3.75	W18x40	6	236.22	W14X233	3.75	147.64	W14X145	3.75	147.6	220.8	129.7	424.77	424.77	-94.24	94.24	0	0	557	2653.17		
	0												415.54	415.54	-94.24							
10	3.75	W18x40	6	236.22	W14X233	3.75	147.64	W14X145	3.75	147.6	220.8	129.7	-424.9	424.9	-94.15	94.15	0	0	557	2653.17		
	0												415.68	415.68	-94.15							
9	3.75	W18x40	6	236.22	W14X233	3.75	147.64	W14X145	3.75	147.6	220.8	129.7	495.69	495.69	-109.6	109.59	0	0	650	2653.17		
	0												486.46	486.46	-109.6							

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8	3.75	W18x46	6	236.22	W14X257	3.75	147.64	W14X176	3.75	147.6	220.4	129.6	3265	542.37	-119.5	119.51	0	0	711	3072.62
	0													-119.5	0					
7	3.75	W18x46	6	236.22	W14X257	3.75	147.64	W14X176	3.75	147.6	220.4	129.5	3265	589.09	-129.4	129.43	0	0	772	3070.25
	0													-129.4	0					
6	3.75	W18x46	6	236.22	W14X257	3.75	147.64	W14X176	3.75	147.6	220.4	129.5	3265	635.85	-139.3	139.34	0	0	833	3070.25
	0													-139.3	0					
5	3.75	W18x46	6	236.22	W14X257	3.75	147.64	W14X176	3.75	147.6	220.4	129.5	3265	682.66	-149.2	149.24	0	0	894	3070.25
	0													-149.2	0					
4	3.75	W18x50	6	236.22	W14X283	3.75	147.64	W14X257	3.75	147.6	219.7	129.6	3636	729.89	-159.1	159.13	0	0	955	3431.91
	0													-159.1	0					
3	3.75	W18x50	6	236.22	W14X283	3.75	147.64	W14X257	3.75	147.6	219.7	129.6	3636	777.16	-169	169.03	0	0	1017	3433.24
	0													-169	0					
2	3.75	W18x50	6	236.22	W14X283	3.75	147.64	W14X257	3.75	147.6	219.7	129.6	3636	824.5	-178.9	178.92	0	0	1079	3433.24
	0													-178.9	0					
1	3.75	W18x50	6	236.22	W14X283	3.75	147.64	W14X257	3.75	147.6	219.7	129.6	3636	871.87	-188.8	188.79	0	0	1141	3433.24
	0													-188.8	0					

K3 (Arah Y)

Li	Sta	Balok		(K3)		(K6)		L' (in)	It' (in)	Np (k.in)	PD	PD	PL	PL	PE	PE	PL	PL	PE	PE	Mu
		Arb Y B4	L (m)	L (in)	Profil	h (m)	h (in)				(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(K.in)
20	3.75	W10x33	6	236.22	W14X159	3.75	147.64	W14X193	3.75	147.6	11.36	-11.36	-3.76	3.76	0	0	15.5	15.5	0	0	675.386
	0										9.41	-9.41	-3.76	3.76	0	0	0	0	0	0	717.919
19	3.75	W12x30	6	236.22	W14X176	3.75	147.64	W14X211	3.75	147.6	53.54	-53.54	-13.65	13.65	0	0	71.1	71.1	0	0	711.167
	0										45.02	-45.02	-13.65	13.65	0	0	132	132	0	0	711.167
18	3.75	W12x30	6	236.22	W14X193	3.75	147.64	W14X211	3.75	147.6	99.82	-99.82	-23.78	23.78	0	0	192	192	0	0	711.167
	0										91.09	-91.09	-23.78	23.78	0	0	0	0	0	0	711.167
17	3.75	W12x30	6	236.22	W14X193	3.75	147.64	W14X211	3.75	147.6	146.06	-146.06	-33.89	33.89	0	0	253	253	0	0	711.167
	0										137.33	-137.33	-33.89	33.89	0	0	0	0	0	0	711.167
16	3.75	W12x30	6	236.22	W14X211	3.75	147.64	W14X233	3.75	147.6	192.49	-192.49	-43.99	43.99	0	0	0	0	0	0	711.167
	0										183.53	-183.53	-43.99	43.99	0	0	0	0	0	0	711.167

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15	3.75	W12x30	6	236.22	W14X211	3.75	147.64	W14X233	3.75	147.6	236.2	135.3	1552	238.88	238.88	-54.08	54.08	0	0	314	711.167
	0													229.93		-54.08		0			
14	3.75	W12x30	6	236.22	W14X211	3.75	147.64	W14X233	3.75	147.6	236.2	135.3	1552	285.25	285.25	-64.15	64.15	0	0	374	711.167
	0													-276.3		-64.15		0			
13	3.75	W12x30	6	236.22	W14X211	3.75	147.64	W14X233	3.75	147.6	236.2	135.3	1552	331.58	331.58	-74.19	74.19	0	0	435	711.167
	0													322.62		-74.19		0			
12	3.75	W12x30	6	236.22	W14X233	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	378.19	378.19	-84.22	84.22	0	0	496	711.167
	0													368.97		-84.22		0			
11	3.75	W12x30	6	236.22	W14X233	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	424.77	424.77	-94.24	94.24	0	0	557	711.167
	0													415.54		-94.24		0			
10	3.75	W12x30	6	236.22	W14X233	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	-424.9	424.9	-94.15	94.15	0	0	557	711.167
	0													415.68		-94.15		0			
9	3.75	W12x30	6	236.22	W14X233	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	495.69	495.69	-109.6	109.59	0	0	650	711.167
	0													486.46		-109.6		0			
8	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X311	3.75	147.6	236.2	135.3	1552	542.37	542.37	-119.5	119.51	0	0	711	711.167
	0													532.85		-119.5		0			
7	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X311	3.75	147.6	236.2	135.3	1552	589.09	589.09	-129.4	129.43	0	0	772	711.167
	0													579.57		-129.4		0			
6	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X311	3.75	147.6	236.2	135.3	1552	635.85	635.85	-139.3	139.34	0	0	833	711.167
	0													626.33		-139.3		0			
5	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X311	3.75	147.6	236.2	135.3	1552	682.66	682.66	-149.2	149.24	0	0	894	711.167
	0													673.14		-149.2		0			
4	3.75	W12x30	6	236.22	W14X283	3.75	147.64	W14X370	3.75	147.6	236.2	135.3	1552	729.89	729.89	-159.1	159.13	0	0	955	711.167
	0													720.04		-159.1		0			
3	3.75	W12x30	6	236.22	W14X283	3.75	147.64	W14X370	3.75	147.6	236.2	135.3	1552	777.16	777.16	-169	169.03	0	0	1017	711.167
	0													767.32		-169		0			
2	3.75	W12x30	6	236.22	W14X283	3.75	147.64	W14X370	3.75	147.6	236.2	135.3	1552	-824.5	824.5	-178.9	178.92	0	0	1079	711.167
	0													-		-178.9		0			

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[illegible]

K4 (Arah X)		Balok				(K4)				(K5)				L' (m)	I' (ft)	Mp (ft.km)	PD (Kapas)	PD Paked (Kapas)	FL (Kapas)	FL Paked (Kapas)	PE (Kapas)	PE Paked (Kapas)	Pu (Kapas)	Mu (K-km)
		Arh x B2 (m)		L (m)		Profil	h (m)	h (ft)	b (m)	h (ft)														
		Arh x B2	L	L																				
20	3.75	W16x26	6	236.22	W14X99	3.75	147.64	W14X193	3.75	147.6	221.4	139.8	1591	-13.8	13.8	-3.85	3.85	-7.61	7.61	26.1	803.83			
	0													-12.32		-3.85		-7.61						
19	3.75	W18x35	6	236.22	W14X109	3.75	147.64	W14X211	3.75	147.6	221.2	130.9	2394	-61.75	61.75	-14.81	14.81	-17.07	17.07	98.6	1133.58			
	0													-53.23		-14.81		-17.07						
18	3.75	W18x35	6	236.22	W14X109	3.75	147.64	W14X211	3.75	147.6	221.2	129.9	2394	108.29	108.29	-25.12	25.12	-19.01	19.01	162	1124.93			
	0													-99.56		-25.12		-19.01						
17	3.75	W18x35	6	236.22	W14X109	3.75	147.64	W14X211	3.75	147.6	221.2	129.9	2394	154.85	154.85	-35.43	35.43	-21.15	21.15	225	1124.93			
	0													146.11		-35.43		-21.15						
16	3.75	W18x40	6	236.22	W14X120	3.75	147.64	W14X233	3.75	147.6	221	129.8	2822	201.99	201.99	-45.79	45.79	-23.56	23.56	289	1326.71			
	0													192.76		-45.79		-23.56						
15	3.75	W18x40	6	236.22	W14X120	3.75	147.64	W14X233	3.75	147.6	221	129.7	2822	249.16	249.16	-56.15	56.15	-26.02	26.02	353	1325.69			
	0													239.94		-56.15		-26.02						
14	3.75	W18x40	6	236.22	W14X120	3.75	147.64	W14X233	3.75	147.6	221	129.7	2822	-296.3	296.3	-66.5	66.5	-28.47	28.47	417	1325.69			
	0													287.08		-66.5		-28.47						
13	3.75	W18x40	6	236.22	W14X120	3.75	147.64	W14X233	3.75	147.6	221	129.7	2822	343.42	343.42	-76.83	76.83	-31	31	482	1325.69			
	0													-334.2		-76.83		-31						
12	3.75	W18x40	6	236.22	W14X159	3.75	147.64	W14X257	3.75	147.6	220.5	129.7	2822	390.94	390.94	-87.21	87.21	-33.89	33.89	547	1328.39			
	0													381.42		-87.21		-33.89						
11	3.75	W18x40	6	236.22	W14X159	3.75	147.64	W14X257	3.75	147.6	220.5	129.7	2822	438.45	438.45	-97.56	97.56	-36.91	36.91	612	1328.39			
	0													428.93		-97.56		-36.91						
10	3.75	W18x40	6	236.22	W14X159	3.75	147.64	W14X257	3.75	147.6	220.5	129.7	2822	454.32	454.32	-100.5	100.5	-47.06	47.06	642	1328.39			
	0													-444.8		-100.5		-47.06						
9	3.75	W18x40	6	236.22	W14X159	3.75	147.64	W14X257	3.75	147.6	220.5	129.7	2822	529.79	529.79	-116.5	116.5	-63.25	63.25	757	1328.39			
	0													520.27		-116.5		-63.25						

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8	3.75	W18x46	6	236.22	W14X193	3.75	147.64	W14X311	3.75	147.6	219.9	129.6	3265	577.48	-126.8	126.8	-66.75	66.75	823	1539.81
	0													567.63	-126.8		-66.75			
7	3.75	W18x46	6	236.22	W14X193	3.75	147.64	W14X311	3.75	147.6	219.9	129.5	3265	625.08	-137.1	137.06	-70.13	70.13	889	1538.62
	0													615.24	-137.1		-70.13			
6	3.75	W18x46	6	236.22	W14X193	3.75	147.64	W14X311	3.75	147.6	219.9	129.5	3265	672.56	-147.3	147.25	-73.44	73.44	954	1538.62
	0													662.72	-147.3		-73.44			
5	3.75	W18x46	6	236.22	W14X193	3.75	147.64	W14X311	3.75	147.6	219.9	129.5	3265	719.91	-157.4	157.36	-76.43	76.43	1019	1538.62
	0													710.06	-157.4		-76.43			
4	3.75	W18x50	6	236.22	W14X257	3.75	147.64	W14X370	3.75	147.6	219.1	129.6	3636	767.53	-167.4	167.44	-79.38	79.38	1084	1720.66
	0													757.35	-167.4		-79.38			
3	3.75	W18x50	6	236.22	W14X257	3.75	147.64	W14X370	3.75	147.6	219.1	129.6	3636	815.11	-177.5	177.45	-82.12	82.12	1149	1721.32
	0													804.93	-177.5		-82.12			
2	3.75	W18x50	6	236.22	W14X257	3.75	147.64	W14X370	3.75	147.6	219.1	129.6	3636	862.6	-187.4	187.4	-84.57	84.57	1213	1721.32
	0													852.42	-187.4		-84.57			
1	3.75	W18x50	6	236.22	W14X257	3.75	147.64	W14X370	3.75	147.6	219.1	129.6	3636	909.94	-197.2	197.23	-86.81	86.81	1277	1721.32
	0													899.76	-197.2		-86.81			

K4 (Arah Y)

K4 (Arah Y)		Balok				K4				K4				h' (in)	Mp (k.in)	PD (Kips)	PD Pakai	PL (Kips)	PL Pakai	PL (Kips)	PE (Kips)	Pu (Kips)	Mu (K-in)
Lr	Sta	Arh Y B3	L (in)	Profil	h (in)	h (in)	Profil	h (in)	h (in)														
20	3.75	W10x33	6	236.22	W14X99	3.75	147.64	W14X99	3.75	147.6	1397	-13.8	13.8	-3.85	3.85	-7.61	7.61	26.1	1350.77				
	0											-12.32		-3.85		-7.61							
19	3.75	W12x26	6	236.22	W14X176	3.75	147.64	W14X176	3.75	147.6	1339	-61.75	61.75	-14.81	14.81	(17.07)	17.07	98.6	1239.74				
	0											-53.23		-14.81		(17.07)							
18	3.75	W12x26	6	236.22	W14X193	3.75	147.64	W14X193	3.75	147.6	1339	108.29	108.29	-25.12	25.12	-19.01	19.01	162	1228.54				
	0											-99.56		-25.12		-19.01							
17	3.75	W12x26	6	236.22	W14X193	3.75	147.64	W14X193	3.75	147.6	1339	154.85	154.85	-35.43	35.43	-21.15	21.15	225	1228.54				
	0											146.11		-35.43		-21.15							
16	3.75	W12x26	6	236.22	W14X211	3.75	147.64	W14X211	3.75	147.6	1339	201.99	201.99	-45.79	45.79	-23.56	23.56	289	1228.54				
												-	-	-	-	-	-	-	-				

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15	3.75	W12x30	6	236.22	W14X233	3.75	147.64	W14X120	3.75	147.6	236.2	135.3	1552	385.04	-93.66	93.66	-26.72	26.72	509	1422.33
	0													374.46	-93.66		-26.72			
14	3.75	W12x30	6	236.22	W14X233	3.75	147.64	W14X120	3.75	147.6	236.2	135.3	1552	459.38	-113.5	113.46	-26.89	26.89	608	1422.33
	0													-448.8	-113.5		-26.89			
13	3.75	W12x30	6	236.22	W14X233	3.75	147.64	W14X120	3.75	147.6	236.2	135.3	1552	533.72	-133.3	133.26	-27.07	27.07	707	1422.33
	0													523.14	-133.3		-27.07			
12	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X145	3.75	147.6	236.2	135.3	1552	608.47	-153	153.03	-27.23	27.23	807	1422.33
	0													597.55	-153		-27.23			
11	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X145	3.75	147.6	236.2	135.3	1552	-683.3	-172.9	172.85	-27.38	27.38	906	1422.33
	0													672.36	-172.9		-27.38			
10	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X145	3.75	147.6	236.2	135.3	1552	738.29	-186.8	186.83	-27.07	27.07	979	1422.33
	0													727.38	-186.8		-27.07			
9	3.75	W12x30	6	236.22	W14X257	3.75	147.64	W14X145	3.75	147.6	236.2	135.3	1552	818.12	-200.8	200.84	-62.12	62.12	1082	1422.33
	0													-807.2	-200.8		-62.12			
8	3.75	W12x30	6	236.22	W14X311	3.75	147.64	W14X176	3.75	147.6	236.2	135.3	1552	893.32	-220.7	220.68	-62.2	62.2	1182	1422.33
	0													882.07	-220.7		-62.2			
7	3.75	W12x30	6	236.22	W14X311	3.75	147.64	W14X176	3.75	147.6	236.2	135.3	1552	968.56	-240.5	240.54	-62.34	62.34	1283	1422.33
	0													957.31	-240.5		-62.34			
6	3.75	W12x30	6	236.22	W14X311	3.75	147.64	W14X176	3.75	147.6	236.2	135.3	1552	1043.9	-260.4	260.44	-62.5	62.5	1383	1422.33
	0													1032.6	-260.4		-62.5			
5	3.75	W12x30	6	236.22	W14X311	3.75	147.64	W14X176	3.75	147.6	236.2	135.3	1552	1119.3	-280.4	280.38	-62.68	62.68	1483	1422.33
	0													-1108	-280.4		-62.68			
4	3.75	W12x30	6	236.22	W14X370	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	1195.7	-300.4	300.38	-62.84	62.84	1585	1422.33
	0													1183.7	-300.4		-62.84			
3	3.75	W12x30	6	236.22	W14X370	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	-1272	-320.4	320.37	-62.97	62.97	1687	1422.33
	0													-1260	-320.4		-62.97			
2	3.75	W12x30	6	236.22	W14X370	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	1348.2	-340.4	340.38	-63.07	63.07	1788	1422.33
	0													1336.2	-340.4		-63.07			
1	3.75	W12x30	6	236.22	W14X370	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	1424.4	-360.5	360.45	-63.1	63.1	1889	1422.33
														1424.4	-360.5		-63.1			

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[illegible]

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8	3.75	W18x46	6	236.22	W14X311	3.75	147.64	W14X311	3.75	147.6	219.1	129.6	3265	893.32	-	-220.7	220.68	-62.2	62.2	1182	3090.85
	0													882.07	-	-220.7		-62.2			
7	3.75	W18x46	6	236.22	W14X311	3.75	147.64	W14X311	3.75	147.6	219.1	129.5	3265	968.56	-	-240.5	240.54	-62.34	62.34	1283	3088.47
	0													957.31	-	-240.5		-62.34			
6	3.75	W18x46	6	236.22	W14X311	3.75	147.64	W14X311	3.75	147.6	219.1	129.5	3265	1043.9	-	-260.4	260.44	-62.5	62.5	1383	3088.47
	0													1032.6	-	-260.4		-62.5			
5	3.75	W18x46	6	236.22	W14X311	3.75	147.64	W14X311	3.75	147.6	219.1	129.5	3265	1119.3	-	-280.4	280.38	-62.68	62.68	1483	3088.47
	0													-1108	-	-280.4		-62.68			
4	3.75	W18x50	6	236.22	W14X370	3.75	147.64	W14X370	3.75	147.6	218.3	129.6	3636	1195.7	-	-300.4	300.38	-62.84	62.84	1585	3453.13
	0													1183.7	-	-300.4		-62.84			
3	3.75	W18x50	6	236.22	W14X370	3.75	147.64	W14X370	3.75	147.6	218.3	129.6	3636	-1272	-	-320.4	320.37	-62.97	62.97	1687	3454.47
	0													-1260	-	-320.4		-62.97			
2	3.75	W18x50	6	236.22	W14X370	3.75	147.64	W14X370	3.75	147.6	218.3	129.6	3636	1348.2	-	-340.4	340.38	-63.07	63.07	1788	3454.47
	0													1336.2	-	-340.4		-63.07			
1	3.75	W18x50	6	236.22	W14X370	3.75	147.64	W14X370	3.75	147.6	218.3	129.6	3636	1424.4	-	-360.5	360.45	-63.1	63.1	1889	3454.47
	0													1412.4	-	-360.5		-63.1			
K5 (Arah Y)																					
20	3.75	W10x33	6	236.22	W14X193	3.75	147.64	W14X99	3.75	147.6	236.2	142.8	1397	PD (Kips)	PD Patai (Kips)	PL (Kips)	PL Patai (Kips)	PE (Kips)	PE Patai (Kips)	Pu (Kips)	Mu (K-in)
	0													-24.47	24.47	-6.14	6.14	-0.14	0.14	32.4	1350.77
19	3.75	W12x30	6	236.22	W14X211	3.75	147.64	W14X109	3.75	147.6	236.2	136.6	1552	-88.01	88.01	-14.22	14.22	(26.43)	(26.43)	113	1435.84
	0													-78.17		-14.22		(26.43)			
18	3.75	W12x30	6	236.22	W14X211	3.75	147.64	W14X109	3.75	147.6	236.2	135.3	1552	162.11	162.11	-34.12	34.12	-26.43	26.43	212	1422.33
	0													151.93	-	-34.12		-26.43			
17	3.75	W12x30	6	236.22	W14X211	3.75	147.64	W14X109	3.75	147.6	236.2	135.3	1552	236.26	236.26	-54.03	54.03	-26.49	26.49	311	1422.33
	0													226.07	-	-54.03		-26.49			
16	3.75	W12x30	6	236.22	W14X233	3.75	147.64	W14X120	3.75	147.6	236.2	135.3	1552	-310.7	310.7	-73.87	73.87	-26.58	26.58	410	1422.33
	0													300.12	-	-73.87		-26.58			

LAMPIRAN C-2

K6 (Arah X)		0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</
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LAMPIRAN C-2

K6 (Arah Y)																				0	-1378.6	-366.2	0
LI	Sta	Balok		K6			K3			L' (m)	Δ' (m)	Mp (k-in)	MO (Kips)	PO Patai (Kips)	PL Patai (Kips)	PL Pakai (Kips)	PE (Kips)	Pu (Kips)	Mu (K-in)				
		Arh Y BA	L (m)	Profil	Δ (m)	b (m)	h (m)	Pakai	h (m)														
20	3.75 0	W10x33	6	236.22	W14X193	3.75	147.64	W14X159	3.75	147.6	236.2	142.8	1397	27.85 -25.69	-7.1 -7.1	0 0	0 0	37	1350.77				
19	3.75 0	W12x30	6	236.22	W14X211	3.75	147.64	W14X176	3.75	147.6	236.2	136.6	1552	-97.74 -88.22	-25.63 -25.63	0 0	0 0	130	1435.84				
	3.75 0	W12x30	6	236.22	W14X211	3.75	147.64	W14X193	3.75	147.6	236.2	135.3	1552	-167.96 -158.12	-44.19 -44.19	0 0	0 0	224	1422.33				
17	3.75 0	W12x30	6	236.22	W14X211	3.75	147.64	W14X193	3.75	147.6	236.2	135.3	1552	-238.24 -228.4	-62.79 -62.79	0 0	0 0	317	1422.33				
16	3.75 0	W12x30	6	236.22	W14X233	3.75	147.64	W14X211	3.75	147.6	236.2	135.3	1552	-308.92 -298.73	-81.4 -81.4	0 0	0 0	411	1422.33				
15	3.75 0	W12x30	6	236.22	W14X233	3.75	147.64	W14X211	3.75	147.6	236.2	135.3	1552	-379.66 -369.48	-100.1 -100.1	0 0	0 0	506	1422.33				
14	3.75 0	W12x30	6	236.22	W14X233	3.75	147.64	W14X211	3.75	147.6	236.2	135.3	1552	-450.5 -440.32	-118.8 -118.8	0 0	0 0	600	1422.33				
13	3.75 0	W12x30	6	236.22	W14X233	3.75	147.64	W14X211	3.75	147.6	236.2	135.3	1552	-521.46 -511.28	-137.5 -137.5	0 0	0 0	695	1422.33				
12	3.75 0	W12x30	6	236.22	W14X257	3.75	147.64	W14X233	3.75	147.6	236.2	135.3	1552	-592.77 -582.19	-156.2 -156.2	0 0	0 0	789	1422.33				
11	3.75 0	W12x30	6	236.22	W14X257	3.75	147.64	W14X233	3.75	147.6	236.2	135.3	1552	-664.15 -653.57	-175 -175	0 0	0 0	884	1422.33				
10	3.75 0	W12x30	6	236.22	W14X257	3.75	147.64	W14X233	3.75	147.6	236.2	135.3	1552	-735.65 -725.07	-193.8 -193.8	0 0	0 0	980	1422.33				
9	3.75 0	W12x30	6	236.22	W14X257	3.75	147.64	W14X233	3.75	147.6	236.2	135.3	1552	-807.32 -796.74	-212.6 -212.6	0 0	0 0	1075	1422.33				
8	3.75 0	W12x30	6	236.22	W14X311	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	-879.17 -868.26	-231.5 -231.5	0 0	0 0	1171	1422.33				
7	3.75 0	W12x30	6	236.22	W14X311	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	-951.18 -940.27	-250.4 -250.4	0 0	0 0	1267	1422.33				
6	3.75 0	W12x30	6	236.22	W14X311	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	-1023.4 -1012.5	-269.4 -269.4	0 0	0 0	1363	1422.33				
5	3.75 0	W12x30	6	236.22	W14X311	3.75	147.64	W14X257	3.75	147.6	236.2	135.3	1552	-1095.8 -1084.8	-288.5 -288.5	0 0	0 0	1459	1422.33				
4	3.75 0	W12x30	6	236.22	W14X370	3.75	147.64	W14X283	3.75	147.6	236.2	135.3	1552	-1168.6 -1157.3	-307.7 -307.7	0 0	0 0	1556	1422.33				
3	3.75 0	W12x30	6	236.22	W14X370	3.75	147.64	W14X283	3.75	147.6	236.2	135.3	1552	-1241.8 -1230.6	-327 -327	0 0	0 0	1654	1422.33				
2	3.75 0	W12x30	6	236.22	W14X370	3.75	147.64	W14X283	3.75	147.6	236.2	135.3	1552	-1315.6 -1304.3	-346.5 -346.5	0 0	0 0	1752	1422.33				
1	3.75 0	W12x30	6	236.22	W14X370	3.75	147.64	W14X283	3.75	147.6	236.2	135.3	1552	-1389.8 -1378.6	-366.2 -366.2	0 0	0 0	1851	1422.33				

Tabel Distribusi Momen dan Gaya Aksial Kolom Struktur Global Brace
K1 (Kolom Eksterior) Arah X

Lantai	Stasio n	Befok		(K1)		(K2)		L' (m)	h' (m)	h _p (m)	PD	PL	PL Pabel	PE	PE (Pabel)	Pu	Mu
		Arh x Bt	L (m)	Profil	h (m)	b (m)	Profil	h (m)	b (m)		(kgps)	(kgps)	(kgps)	(kgps)	(kgps)	(kgps)	(kg-m)
20	3.75	W16x26	6	236.22	W14X82	3.75	147.6	W14X109	3.75	147.6	-21.24	-6.11	6.11	-0.88	0.88	29.4	801.84
	0										-19.9	-6.11		-0.88			
19	3.75	W16x26	6	236.22	W14X90	3.75	147.6	W14X120	3.75	147.6	-51.14	-11.16	11.16	0.1	0.1	67	756.64
	0										-42.83	-11.16		0.1			
18	3.75	W16x26	6	236.22	W14X90	3.75	147.6	W14X120	3.75	147.6	-81.49	-16.26	16.26	1.15	1.15	107	756.64
	0										-72.97	-16.26		1.15			
17	3.75	W16x26	6	236.22	W14X90	3.75	147.6	W14X120	3.75	147.6	-111.79	-21.34	21.34	1.87	1.87	147	756.64
	0										-103.26	-21.34		1.87			
16	3.75	W16x31	6	236.22	W14X99	3.75	147.6	W14X132	3.75	147.6	-168.01	-34.94	34.94	-45.3	45.3	264	924.53
	0										-159.28	-34.94		-45.3			
15	3.75	W16x31	6	236.22	W14X99	3.75	147.6	W14X132	3.75	147.6	-198.61	-40.04	40.04	-44.91	44.91	303	923.83
	0										-189.87	-40.04		-44.91			
14	3.75	W16x31	6	236.22	W14X99	3.75	147.6	W14X132	3.75	147.6	-229.17	-45.13	45.13	-44.37	44.37	342	923.83
	0										-220.43	-45.13		-44.37			
13	3.75	W16x31	6	236.22	W14X99	3.75	147.6	W14X132	3.75	147.6	-259.66	-50.2	50.2	-44.21	44.21	381	923.83
	0										-250.92	-50.2		-44.21			
12	3.75	W16x31	6	236.22	W14X120	3.75	147.6	W14X159	3.75	147.6	-312.41	-62.96	62.96	-134.26	134.26	541	925.08
	0										-303.46	-62.96		-134.26			
11	3.75	W16x31	6	236.22	W14X120	3.75	147.6	W14X159	3.75	147.6	-343.2	-68.03	68.03	-134.45	134.45	580	925.08
	0										-334.25	-68.03		-134.45			
10	3.75	W16x31	6	236.22	W14X120	3.75	147.6	W14X159	3.75	147.6	-373.92	-73.09	73.09	-134.38	134.38	620	925.08
	0										-364.96	-73.09		-134.38			
9	3.75	W16x31	6	236.22	W14X120	3.75	147.6	W14X159	3.75	147.6	-404.52	-78.11	78.11	-134.69	134.69	659	925.08
	0										-395.57	-78.11		-134.69			
8	3.75	W16x36	6	236.22	W14X159	3.75	147.6	W14X193	3.75	147.6	-450.76	-89.05	89.05	-256.8	256.8	842	1098.9
	0										-441.53	-89.05		-256.8			
7	3.75	W16x36	6	236.22	W14X159	3.75	147.6	W14X193	3.75	147.6	-481.76	-94.07	94.07	-257.75	257.75	883	1098.9
	0										-472.54	-94.07		-257.75			
6	3.75	W16x36	6	236.22	W14X159	3.75	147.6	W14X193	3.75	147.6	-512.7	-99.08	99.08	-258.44	258.44	923	1098.9
	0										-503.48	-99.08		-258.44			
5	3.75	W16x36	6	236.22	W14X159	3.75	147.6	W14X193	3.75	147.6	-543.55	-104.1	104.06	-259.46	259.46	964	1098.9
	0										-534.33	-104.1		-259.46			
4	3.75	W16x40	6	236.22	W14X193	3.75	147.6	W14X257	3.75	147.6	-586.76	-113.3	113.29	-412.43	412.43	1173	1256.9
	0										-577.24	-113.3		-412.43			
3	3.75	W16x40	6	236.22	W14X193	3.75	147.6	W14X257	3.75	147.6	-618	-118.3	118.26	-414.29	414.29	1215	1256.4
	0										-608.48	-118.3		-414.29			
2	3.75	W16x40	6	236.22	W14X193	3.75	147.6	W14X257	3.75	147.6	-649.13	-123.2	123.2	-416.15	416.15	1257	1256.4
	0										-639.61	-123.2		-416.15			

LAMPIRAN C-3

1	3.75	W16x40	6	236.22	W14X193	3.75	147.6	W14X257	3.75	147.6	220.27	131.64	2628	-680.03	680.03	-128.1	128.07	-418.02	418.02	1298	1256.4
	0													-670.51		-128.1		-418.02			
K1 (Kolom Eksterior) Arah Y																					
Lantai	Stasio		Balok		(K1)				(K2)				Mp	PD	PD	PL	PL Pakai	PE	PE (Pakai)	Pu	Mu
	Art y B3	L xlt (m)	L btk (m)	Profil	b (m)	b (m)	Profil	b (m)	b (m)												
20	3.75	W10x33	6	236.22	W14X82	3.75	147.6	W14X90	3.75	147.6	236.22	142.77	1396.8	-21.24	21.24	-6.11	6.11	-0.88	0.88	29.4	675.39
	0													-19.9		-6.11		-0.88			
19	3.75	W12x22	6	236.22	W14X90	3.75	147.6	W14X99	3.75	147.6	236.22	136.62	1054.8	-51.14	51.14	-11.16	11.16	0.1	0.1	67	488.05
	0													-42.83		-11.16		0.1			
18	3.75	W12x22	6	236.22	W14X90	3.75	147.6	W14X99	3.75	147.6	236.22	135.34	1054.8	-81.49	81.49	-16.26	16.26	1.15	1.15	107	483.46
	0													-72.97		-16.26		1.15			
17	3.75	W12x22	6	236.22	W14X90	3.75	147.6	W14X99	3.75	147.6	236.22	135.34	1054.8	-111.79	111.79	-21.34	21.34	1.87	1.87	147	483.46
	0													-103.26		-21.34		1.87			
16	3.75	W12x22	6	236.22	W14X99	3.75	147.6	W14X109	3.75	147.6	236.22	135.34	1054.8	-168.01	168.01	-34.94	34.94	-45.3	45.3	264	483.46
	0													-159.28		-34.94		-45.3			
15	3.75	W12x22	6	236.22	W14X99	3.75	147.6	W14X109	3.75	147.6	236.22	135.34	1054.8	-198.61	198.61	-40.04	40.04	-44.91	44.91	303	483.46
	0													-189.87		-40.04		-44.91			
14	3.75	W12x22	6	236.22	W14X99	3.75	147.6	W14X109	3.75	147.6	236.22	135.34	1054.8	-229.17	229.17	-45.13	45.13	-44.37	44.37	342	483.46
	0													-220.43		-45.13		-44.37			
13	3.75	W12x22	6	236.22	W14X99	3.75	147.6	W14X109	3.75	147.6	236.22	135.34	1054.8	-259.66	259.66	-50.2	50.2	-44.21	44.21	381	483.46
	0													-250.92		-50.2		-44.21			
12	3.75	W12x22	6	236.22	W14X120	3.75	147.6	W14X145	3.75	147.6	236.22	135.34	1054.8	-312.41	312.41	-62.96	62.96	-134.26	134.26	541	483.46
	0													-303.46		-62.96		-134.26			
11	3.75	W12x22	6	236.22	W14X120	3.75	147.6	W14X145	3.75	147.6	236.22	135.34	1054.8	-343.2	343.2	-68.03	68.03	-134.45	134.45	580	483.46
	0													-334.25		-68.03		-134.45			
10	3.75	W12x22	6	236.22	W14X120	3.75	147.6	W14X145	3.75	147.6	236.22	135.34	1054.8	-373.92	373.92	-73.09	73.09	-134.38	134.38	620	483.46
	0													-364.96		-73.09		-134.38			
9	3.75	W12x22	6	236.22	W14X120	3.75	147.6	W14X145	3.75	147.6	236.22	135.34	1054.8	-404.52	404.52	-78.11	78.11	-134.69	134.69	659	483.46
	0													-395.57		-78.11		-134.69			
8	3.75	W12x22	6	236.22	W14X159	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1054.8	-450.76	450.76	-89.05	89.05	-256.8	256.8	842	483.46
	0													-441.53		-89.05		-256.8			
7	3.75	W12x22	6	236.22	W14X159	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1054.8	-481.76	481.76	-94.07	94.07	-257.75	257.75	883	483.46
	0													-472.54		-94.07		-257.75			
6	3.75	W12x22	6	236.22	W14X159	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1054.8	-512.7	512.7	-99.08	99.08	-258.44	258.44	923	483.46
	0													-503.48		-99.08		-258.44			
5	3.75	W12x22	6	236.22	W14X159	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1054.8	-543.55	543.55	-104.1	104.06	-259.46	259.46	964	483.46
	0													-534.33		-104.1		-259.46			
4	3.75	W12x22	6	236.22	W14X193	3.75	147.6	W14X257	3.75	147.6	236.22	135.34	1054.8	-586.76	586.76	-113.3	113.29	-412.43	412.43	1173	483.46
	0													-577.24		-113.3		-412.43			
3	3.75	W12x22	6	236.22	W14X193	3.75	147.6	W14X257	3.75	147.6	236.22	135.34	1054.8	-618	618	-118.3	118.26	-414.29	414.29	1215	483.46
	0													-608.48		-118.3		-414.29			
2	3.75	W12x22	6	236.22	W14X193	3.75	147.6	W14X257	3.75	147.6	236.22	135.34	1054.8	-649.13	649.13	-123.2	123.2	-416.15	416.15	1257	483.46
	0													-639.61		-123.2		-416.15			

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K2 (Arah X)	Lantai	Stasio	Balok	K2		K3		L' (m)	b' (m)	Mp	PO	PO Pukul	PL	PL Pukul	PE	PE (Pukul)	Pu	Ma							
				Arif x B1	L Balok (m)	L Balok (m)	Profil												b (m)	b' (m)	(kN)	(kN)	(kN)	(kN)	(kN)
1	3.75	0	W12x22	6	236.22	W14X193	3.75	147.6	3.75	147.6	W14X257	3.75	147.6	236.22	135.34	1054.8	680.03	-680.03	-670.51	128.07	-128.1	-128.1	418.02	1298	483.46
20	3.75	0	W16x26	6	236.22	W14X109	3.75	147.6	3.75	147.6	W14X145	3.75	147.6	221.67	139.79	1591.2	16.7	-16.7	-14.33	4.22	-4.22	0.14	0.14	22.3	1605.5
	3.75	0	W16x26	6	236.22	W14X120	3.75	147.6	3.75	147.6	W14X176	3.75	147.6	221.37	131.94	1591.2	54.68	-54.68	-45.16	11.08	-11.08	15.07	15.07	86.2	1517.4
19	3.75	0	W16x26	6	236.22	W14X120	3.75	147.6	3.75	147.6	W14X176	3.75	147.6	221.37	131.94	1591.2	100.88	-100.88	-92.35	21.23	-21.23	15.08	15.08	147	1517.4
	3.75	0	W16x26	6	236.22	W14X120	3.75	147.6	3.75	147.6	W14X176	3.75	147.6	221.37	131.94	1591.2	137.22	-137.22	-128.7	27.88	-27.88	19.75	19.75	198	1517.4
17	3.75	0	W16x26	6	236.22	W14X120	3.75	147.6	3.75	147.6	W14X176	3.75	147.6	221.37	131.94	1591.2	184.02	-184.02	-175.07	38.04	-38.04	20.16	20.16	260	1854.5
	3.75	0	W16x31	6	236.22	W14X132	3.75	147.6	3.75	147.6	W14X193	3.75	147.6	221.12	131.84	1944	221.47	-221.47	-212.52	44.62	-44.62	41.7	41.7	330	1853.1
15	3.75	0	W16x31	6	236.22	W14X132	3.75	147.6	3.75	147.6	W14X193	3.75	147.6	221.12	131.74	1944	268.22	-268.22	-259.27	54.76	-54.76	42.03	42.03	391	1853.1
	3.75	0	W16x31	6	236.22	W14X132	3.75	147.6	3.75	147.6	W14X193	3.75	147.6	221.12	131.74	1944	308.3	-308.3	-299.34	62.05	-62.05	53	53	454	1853.1
13	3.75	0	W16x31	6	236.22	W14X132	3.75	147.6	3.75	147.6	W14X193	3.75	147.6	221.12	131.74	1944	355.49	-355.49	-346.27	72.19	-72.19	53.8	53.8	516	1855.2
	3.75	0	W16x31	6	236.22	W14X159	3.75	147.6	3.75	147.6	W14X211	3.75	147.6	220.87	131.74	1944	396.23	-396.23	-387	79.28	-79.28	79.75	79.75	595	1855.2
11	3.75	0	W16x31	6	236.22	W14X159	3.75	147.6	3.75	147.6	W14X211	3.75	147.6	220.87	131.74	1944	443.41	-443.41	-434.18	89.4	-89.4	80.34	80.34	657	1855.2
	3.75	0	W16x31	6	236.22	W14X159	3.75	147.6	3.75	147.6	W14X211	3.75	147.6	220.87	131.74	1944	489.6	-489.6	-480.38	97.92	-97.92	94.81	94.81	731	1855.2
9	3.75	0	W16x31	6	236.22	W14X159	3.75	147.6	3.75	147.6	W14X211	3.75	147.6	220.87	131.74	1944	537.79	-537.79	-527.95	108.1	-108.1	95.98	95.98	795	2202.7
	3.75	0	W16x36	6	236.22	W14X193	3.75	147.6	3.75	147.6	W14X233	3.75	147.6	220.47	131.74	2304	584.52	-584.52	-574.68	116.21	-116.2	124.51	124.51	884	2202.7
7	3.75	0	W16x36	6	236.22	W14X193	3.75	147.6	3.75	147.6	W14X233	3.75	147.6	220.47	131.74	2304	632.46	-632.46	-622.62	126.3	-126.3	125.19	125.19	947	2202.7
	3.75	0	W16x36	6	236.22	W14X193	3.75	147.6	3.75	147.6	W14X233	3.75	147.6	220.47	131.74	2304	679.95	-679.95	-670.1	135.16	-135.2	135.55	135.55	1019	2202.7
5	3.75	0	W16x36	6	236.22	W14X193	3.75	147.6	3.75	147.6	W14X233	3.75	147.6	220.47	131.74	2304	728.19	-728.19	-718.01	145.18	-145.2	136.48	136.48	1083	2519
	3.75	0	W16x40	6	236.22	W14X257	3.75	147.6	3.75	147.6	W14X257	3.75	147.6	219.82	131.69	2628	772.25	-772.25	-762.07	152.87	-152.9	159.47	159.47	1163	2518
3	3.75	0	W16x40	6	236.22	W14X257	3.75	147.6	3.75	147.6	W14X257	3.75	147.6	219.82	131.64	2628	820.38	-820.38	-810.2	162.86	-162.9	159.56	159.56	1225	2518
	3.75	0	W16x40	6	236.22	W14X257	3.75	147.6	3.75	147.6	W14X257	3.75	147.6	219.82	131.64	2628	-810.2								

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1	3.75	W16x40	6	236.22	W14X257	3.75	147.6	W14X257	3.75	147.6	219.82	131.64	2628	-870.64	870.64	-172.93	172.93	-178.74	178.74	1310	2518
	0													-860.45		-172.9		-178.74			
K2 (Arah y)																					
Lantai	Slabs	n	Balok		(K1)		(K2)		(K3)		L' (m)	b' (m)	Mp	PD	PD	PL	PL Pabat	PE	PE (Pabat)	Pu	Mts
			Arb y B4	L bal (m)	L bal (m)	Profil	h (m)	h (m)	h (m)	(Kips)				(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	3.75	W10x33	6	236.22	W14X109	3.75	147.6	W14X193	3.75	147.6	236.22	142.77	1396.8	-16.7	16.7	2.38	2.38	0.14	0.14	21.4	675.39
	0													-14.33		2.38		0.14			
19	3.75	W12x30	6	236.22	W14X120	3.75	147.6	W14X193	3.75	147.6	236.22	136.62	1551.6	-54.68	54.68	-17.49	17.49	-15.07	15.07	89.4	717.92
	0													-45.16		-17.49		-15.07			
18	3.75	W12x30	6	236.22	W14X120	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1551.6	-100.88	100.88	-27.31	27.31	-15.08	15.08	150	711.17
	0													-92.35		-27.31		-15.08			
17	3.75	W12x30	6	236.22	W14X120	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1551.6	-137.22	137.22	-37.12	37.12	-19.75	19.75	203	711.17
	0													-128.7		-37.12		-19.75			
16	3.75	W12x30	6	236.22	W14X132	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	-184.02	184.02	-46.9	46.9	-20.16	20.16	264	711.17
	0													-175.07		-46.9		-20.16			
15	3.75	W12x30	6	236.22	W14X132	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	-221.47	221.47	-56.69	56.69	-41.7	41.7	336	711.17
	0													-212.52		-56.69		-41.7			
14	3.75	W12x30	6	236.22	W14X132	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	-268.22	268.22	-66.49	66.49	-42.03	42.03	397	711.17
	0													-259.27		-66.49		-42.03			
13	3.75	W12x30	6	236.22	W14X132	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	-308.3	308.3	-76.31	76.31	-53	53	461	711.17
	0													-299.34		-76.31		-53			
12	3.75	W12x30	6	236.22	W14X159	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	-355.49	355.49	-86.15	86.15	-53.8	53.8	523	711.17
	0													-346.27		-86.15		-53.8			
11	3.75	W12x30	6	236.22	W14X159	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	-396.23	396.23	-95.99	95.99	-79.75	79.75	603	711.17
	0													-387		-95.99		-79.75			
10	3.75	W12x30	6	236.22	W14X159	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	-443.41	443.41	-91.11	91.11	-80.34	80.34	658	711.17
	0													-434.18		-91.11		-80.34			
9	3.75	W12x30	6	236.22	W14X159	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	-489.6	489.6	-119.1	119.1	-94.81	94.81	742	711.17
	0													-480.38		-119.1		-94.81			
8	3.75	W12x30	6	236.22	W14X193	3.75	147.6	W14X283	3.75	147.6	236.22	135.34	1551.6	-537.79	537.79	-129	129.02	-95.98	95.98	806	711.17
	0													-527.95		-129		-95.98			
7	3.75	W12x30	6	236.22	W14X193	3.75	147.6	W14X283	3.75	147.6	236.22	135.34	1551.6	-584.52	584.52	-138.9	138.92	-124.51	124.51	895	711.17
	0													-574.68		-138.9		-124.51			
6	3.75	W12x30	6	236.22	W14X193	3.75	147.6	W14X283	3.75	147.6	236.22	135.34	1551.6	-632.46	632.46	-148.8	148.83	-125.19	125.19	959	711.17
	0													-622.62		-148.8		-125.19			
5	3.75	W12x30	6	236.22	W14X193	3.75	147.6	W14X283	3.75	147.6	236.22	135.34	1551.6	-679.95	679.95	-158.7	158.74	-135.55	135.55	1031	711.17
	0													-670.1		-158.7		-135.55			
4	3.75	W12x30	6	236.22	W14X257	3.75	147.6	W14X342	3.75	147.6	236.22	135.34	1551.6	-728.19	728.19	-168.6	168.64	-136.48	136.48	1095	711.17
	0													-718.01		-168.6		-136.48			
3	3.75	W12x30	6	236.22	W14X257	3.75	147.6	W14X342	3.75	147.6	236.22	135.34	1551.6	-772.25	772.25	-178.6	178.56	-159.47	159.47	1175	711.17
	0													-762.07		-178.6		-159.47			
2	3.75	W12x30	6	236.22	W14X257	3.75	147.6	W14X342	3.75	147.6	236.22	135.34	1551.6	-820.38	820.38	-188.5	188.49	-159.56	159.56	1238	711.17
	0													-810.2		-188.5		-159.56			

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K3 (Arah X)	Lantai Atas		Batas		K3				K2				L' (m)	h' (m)	Mp	PD		PO Pukul (Kbps)	PL Pukul (Kbps)	PE		Pa	178.74	178.74	1323	711.17
	Sisipio		Batas		K3		K2		PE																	
	Arb x B3	L tdk (m)	L alk (m)	Profil	h (m)	h' (m)	Profil	h (m)	h' (m)	Kbps	Kbps	Kbps				Kbps										
1	3.75	W12x30	6	236.22	W14X257	3.75	147.6	W14X342	3.75	147.6	236.22	135.34	1551.6	-870.64	870.64	-198.4	198.44	-178.74	-178.74							
	0													-860.45		-198.4										
20	3.75	W16x26	6	236.22	W14X145	3.75	147.6	W14X109	3.75	147.6	221.67	139.79	1591.2	-16.21	16.21	-4.21	4.21	0	0	21.6	1605.5					
	0													-14.26		-4.21										
19	3.75	W18x35	6	236.22	W14X176	3.75	147.6	W14X120	3.75	147.6	221.37	130.94	2394	-62.3	62.3	-14.37	14.37	0	0	81.9	2265.6					
	0													-53.77		-14.37										
18	3.75	W18x35	6	236.22	W14X176	3.75	147.6	W14X120	3.75	147.6	221.37	129.94	2394	-92.23	92.23	-18.23	18.23	0	0	120	2248.3					
	0													-83.49		-18.23										
17	3.75	W18x35	6	236.22	W14X176	3.75	147.6	W14X120	3.75	147.6	221.37	129.94	2394	-138.69	138.69	-28.4	28.4	0	0	181	2248.3					
	0													-129.95		-28.4										
16	3.75	W18x35	6	236.22	W14X193	3.75	147.6	W14X132	3.75	147.6	221.12	129.94	2394	-185.31	185.31	-38.54	38.54	0	0	242	2250.9					
	0													-176.36		-38.54										
15	3.75	W18x35	6	236.22	W14X193	3.75	147.6	W14X132	3.75	147.6	221.12	129.94	2394	-231.91	231.91	-48.66	48.66	0	0	303	2250.9					
	0													-222.96		-48.66										
14	3.75	W18x35	6	236.22	W14X193	3.75	147.6	W14X132	3.75	147.6	221.12	129.94	2394	-258.87	258.87	-51.78	51.78	0	0	337	2250.9					
	0													-249.92		-51.78										
13	3.75	W18x35	6	236.22	W14X193	3.75	147.6	W14X132	3.75	147.6	221.12	129.94	2394	-305.52	305.52	-61.9	61.9	0	0	398	2250.9					
	0													-296.57		-61.9										
12	3.75	W18x40	6	236.22	W14X211	3.75	147.6	W14X159	3.75	147.6	220.87	129.84	2822.4	-352.39	352.39	-71.99	71.99	0	0	459	2654.6					
	0													-343.17		-71.99										
11	3.75	W18x40	6	236.22	W14X211	3.75	147.6	W14X159	3.75	147.6	220.87	129.74	2822.4	-399.17	399.17	-82.05	82.05	0	0	520	2652.6					
	0													-389.95		-82.05										
10	3.75	W18x40	6	236.22	W14X211	3.75	147.6	W14X159	3.75	147.6	220.87	129.74	2822.4	-421.72	421.72	-84.29	84.29	0	0	548	2652.6					
	0													-412.5		-84.29										
9	3.75	W18x40	6	236.22	W14X211	3.75	147.6	W14X159	3.75	147.6	220.87	129.74	2822.4	-468.53	468.53	-94.33	94.33	0	0	609	2652.6					
	0													-459.3		-94.33										
8	3.75	W18x46	6	236.22	W14X233	3.75	147.6	W14X193	3.75	147.6	220.47	129.64	3265.2	-515.49	515.49	-104.3	104.3	0	0	671	3071.9					
	0													-505.97		-104.3										
7	3.75	W18x46	6	236.22	W14X233	3.75	147.6	W14X193	3.75	147.6	220.47	129.54	3265.2	-562.43	562.43	-114.3	114.25	0	0	732	3069.6					
	0													-552.91		-114.3										
6	3.75	W18x46	6	236.22	W14X233	3.75	147.6	W14X193	3.75	147.6	220.47	129.54	3265.2	-586.32	586.32	-117	117.04	0	0	762	3069.6					
	0													-576.8		-117										
5	3.75	W18x46	6	236.22	W14X233	3.75	147.6	W14X193	3.75	147.6	220.47	129.54	3265.2	-633.53	633.53	-127	127.02	0	0	824	3069.6					
	0													-624.01		-127										
4	3.75	W18x50	6	236.22	W14X257	3.75	147.6	W14X257	3.75	147.6	219.82	129.59	3636	-680.99	680.99	-137	136.96	0	0	886	3429.6					
	0													-671.14		-137										
3	3.75	W18x50	6	236.22	W14X257	3.75	147.6	W14X257	3.75	147.6	219.82	129.64	3636	-728.32	728.32	-146.9	146.86	0	0	947	3430.9					
	0													-718.47		-146.9										
2	3.75	W18x50	6	236.22	W14X257	3.75	147.6	W14X257	3.75	147.6	219.82	129.64	3636	-766.86	766.86	-153.4	153.37	0	0	997	3430.9					
	0													-757.02		-153.4										

1	K3 (Arah Y)		W18x50	6	236.22	W14X257	3.75	147.6	W14X257	3.75	147.6	219.82	129.64	3636	814.45	163.29		0	1059	3430.9
	0																			
20	K3 (Arah Y)		W10x33	6	236.22	W14X176	3.75	147.6	W14X176	3.75	147.6	236.22	142.77	1396.8	16.21	4.21	0	21.6	675.39	
	0																			
19	K3 (Arah Y)		W12x30	6	236.22	W14X176	3.75	147.6	W14X193	3.75	147.6	236.22	136.62	1551.6	62.3	14.37	0	81.9	717.92	
	0																			
18	K3 (Arah Y)		W12x30	6	236.22	W14X176	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1551.6	92.23	18.23	0	120	711.17	
	0																			
17	K3 (Arah Y)		W12x30	6	236.22	W14X176	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1551.6	138.69	28.4	0	181	711.17	
	0																			
16	K3 (Arah Y)		W12x30	6	236.22	W14X193	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	185.31	38.54	0	242	711.17	
	0																			
15	K3 (Arah Y)		W12x30	6	236.22	W14X193	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	231.91	48.66	0	303	711.17	
	0																			
14	K3 (Arah Y)		W12x30	6	236.22	W14X193	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	258.87	51.78	0	337	711.17	
	0																			
13	K3 (Arah Y)		W12x30	6	236.22	W14X193	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	305.52	61.9	0	398	711.17	
	0																			
12	K3 (Arah Y)		W12x30	6	236.22	W14X211	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	352.39	71.99	0	459	711.17	
	0																			
11	K3 (Arah Y)		W12x30	6	236.22	W14X211	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	399.17	82.05	0	520	711.17	
	0																			
10	K3 (Arah Y)		W12x30	6	236.22	W14X211	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	421.72	84.29	0	548	711.17	
	0																			
9	K3 (Arah Y)		W12x30	6	236.22	W14X211	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	468.53	94.33	0	609	711.17	
	0																			
8	K3 (Arah Y)		W12x30	6	236.22	W14X233	3.75	147.6	W14X283	3.75	147.6	236.22	135.34	1551.6	515.49	104.3	0	671	711.17	
	0																			
7	K3 (Arah Y)		W12x30	6	236.22	W14X233	3.75	147.6	W14X283	3.75	147.6	236.22	135.34	1551.6	562.43	114.25	0	732	711.17	
	0																			
6	K3 (Arah Y)		W12x30	6	236.22	W14X233	3.75	147.6	W14X283	3.75	147.6	236.22	135.34	1551.6	586.32	117.04	0	762	711.17	
	0																			
5	K3 (Arah Y)		W12x30	6	236.22	W14X233	3.75	147.6	W14X283	3.75	147.6	236.22	135.34	1551.6	633.53	127.02	0	824	711.17	
	0																			
4	K3 (Arah Y)		W12x30	6	236.22	W14X257	3.75	147.6	W14X342	3.75	147.6	236.22	135.34	1551.6	680.99	136.96	0	886	711.17	
	0																			
3	K3 (Arah Y)		W12x30	6	236.22	W14X257	3.75	147.6	W14X342	3.75	147.6	236.22	135.34	1551.6	728.32	146.86	0	947	711.17	
	0																			
2	K3 (Arah Y)		W12x30	6	236.22	W14X257	3.75	147.6	W14X342	3.75	147.6	236.22	135.34	1551.6	766.86	153.37	0	997	711.17	
	0																			

K4 (Arah X)		Balok		K4				K5				L' (m)		b' (m)		Mp		PO		PL		PL Pakai		PE		PE (Pakai)		Pu		Mu	
Lantai	Spasio	Arah X	B2	L Balok (m)	L Balok (m)	Profil	b (mm)	% (mm)	Profil	b (mm)	L (m)	b' (m)	Mp (kNm)	PO (kNm)	PL (kNm)	PL Pakai (kNm)	PE (kNm)	PE (Pakai) (kNm)	Pu (kNm)	Mu (kNm)											
1	3.75	W12x30	6	236.22	W14X257	3.75	147.6	147.6	W14X193	3.75	147.6	221.47	139.79	1591.2	-15.4	15.4	-4.15	4.15	-1.93	1.93	22.5	803.47									
	0													-13.92	-13.92	-4.15	-4.15	-1.93	-1.93												
19	3.75	W18x35	6	236.22	W14X99	3.75	147.6	147.6	W14X193	3.75	147.6	221.37	130.94	2394	-61.66	61.66	-14.5	14.5	-4.8	4.8	86	1132.8									
	0													-53.13	-53.13	-14.5	-14.5	-4.8	-4.8												
18	3.75	W18x35	6	236.22	W14X99	3.75	147.6	147.6	W14X193	3.75	147.6	221.37	129.94	2394	-108.24	108.24	-24.91	24.91	-7.7	7.7	150	1124.2									
	0													-99.5	-99.5	-24.91	-24.91	-7.7	-7.7												
17	3.75	W18x35	6	236.22	W14X99	3.75	147.6	147.6	W14X193	3.75	147.6	221.37	129.94	2394	-154.83	154.83	-35.32	35.32	-11.23	11.23	215	1124.2									
	0													-146.09	-146.09	-35.32	-35.32	-11.23	-11.23												
16	3.75	W18x35	6	236.22	W14X109	3.75	147.6	147.6	W14X211	3.75	147.6	221.22	129.94	2394	-202	202	-45.77	45.77	-15.51	15.51	281	1124.9									
	0													-192.78	-192.78	-45.77	-45.77	-15.51	-15.51												
15	3.75	W18x35	6	236.22	W14X109	3.75	147.6	147.6	W14X211	3.75	147.6	221.22	129.94	2394	-249.22	249.22	-56.23	56.23	-19.57	19.57	347	1124.9									
	0													-240	-240	-56.23	-56.23	-19.57	-19.57												
14	3.75	W18x35	6	236.22	W14X109	3.75	147.6	147.6	W14X211	3.75	147.6	221.22	129.94	2394	-296.39	296.39	-66.66	66.66	-23.33	23.33	412	1124.9									
	0													-287.17	-287.17	-66.66	-66.66	-23.33	-23.33												
13	3.75	W18x35	6	236.22	W14X109	3.75	147.6	147.6	W14X211	3.75	147.6	221.22	129.94	2394	-343.54	343.54	-77.06	77.06	-27.66	27.66	478	1124.9									
	0													-334.31	-334.31	-77.06	-77.06	-27.66	-27.66												
12	3.75	W18x40	6	236.22	W14X145	3.75	147.6	147.6	W14X233	3.75	147.6	220.82	129.84	2822.4	-391.09	391.09	-87.52	87.52	-33.1	33.1	546	1327.6									
	0													-381.57	-381.57	-87.52	-87.52	-33.1	-33.1												
11	3.75	W18x40	6	236.22	W14X145	3.75	147.6	147.6	W14X233	3.75	147.6	220.82	129.74	2822.4	-438.62	438.62	-97.96	97.96	-38.07	38.07	613	1326.6									
	0													-429.1	-429.1	-97.96	-97.96	-38.07	-38.07												
10	3.75	W18x40	6	236.22	W14X145	3.75	147.6	147.6	W14X233	3.75	147.6	220.82	129.74	2822.4	-486.07	486.07	-108.4	108.35	-42.41	42.41	680	1326.6									
	0													-476.55	-476.55	-108.4	-108.4	-42.41	-42.41												
9	3.75	W18x40	6	236.22	W14X145	3.75	147.6	147.6	W14X233	3.75	147.6	220.82	129.74	2822.4	-533.46	533.46	-118.7	118.7	-47.22	47.22	747	1326.6									
	0													-523.94	-523.94	-118.7	-118.7	-47.22	-47.22												
8	3.75	W18x46	6	236.22	W14X193	3.75	147.6	147.6	W14X283	3.75	147.6	220.12	129.64	3265.2	-581.19	581.19	-129.1	129.08	-53.34	53.34	815	1538.4									
	0													-571.35	-571.35	-129.1	-129.1	-53.34	-53.34												
7	3.75	W18x46	6	236.22	W14X193	3.75	147.6	147.6	W14X283	3.75	147.6	220.12	129.54	3265.2	-628.84	628.84	-139.4	139.41	-58.8	58.8	883	1537.2									
	0													-619	-619	-139.4	-139.4	-58.8	-58.8												
6	3.75	W18x46	6	236.22	W14X193	3.75	147.6	147.6	W14X283	3.75	147.6	220.12	129.54	3265.2	-676.36	676.36	-149.7	149.66	-63.33	63.33	950	1537.2									
	0													-666.52	-666.52	-149.7	-149.7	-63.33	-63.33												
5	3.75	W18x46	6	236.22	W14X193	3.75	147.6	147.6	W14X283	3.75	147.6	220.12	129.54	3265.2	-723.74	723.74	-159.8	159.83	-68.05	68.05	1016	1537.2									
	0													-713.9	-713.9	-159.8	-159.8	-68.05	-68.05												
4	3.75	W18x50	6	236.22	W14X257	3.75	147.6	147.6	W14X342	3.75	147.6	219.27	129.59	3636	-771.4	771.4	-169.9	169.94	-73.72	73.72	1084	1719.1									
	0													-761.22	-761.22	-169.9	-169.9	-73.72	-73.72												
3	3.75	W18x50	6	236.22	W14X257	3.75	147.6	147.6	W14X342	3.75	147.6	219.27	129.64	3636	-819	819	-180	179.99	-78.78	78.78	1152	1719.8									
	0													-808.82	-808.82	-180	-180	-78.78	-78.78												
2	3.75	W18x50	6	236.22	W14X257	3.75	147.6	147.6	W14X342	3.75	147.6	219.27	129.64	3636	-866.51	866.51	-190	189.96	-82.85	82.85	1218	1719.8									
	0													-856.33	-856.33	-190	-190	-82.85	-82.85												

LAMPIRAN C-3

[illegible]

LAMPIRAN C-3

No	Balok		(K5)			(K6)			L' (m)	h' (m)	Mp (kNm)	MD (kNm)	PD (kNm)	PL (kNm)	PL Patai (kNm)	PE (kNm)	PE (Patai)	Pu (kNm)	Mu (kNm)	
	Aras x B2 (mm)	L Baki (mm)	FrcdL	h (mm)	h (mm)	FrcdR	h (mm)	h (mm)												
Lantai	Stasio	Aras x B2 (mm)	L Baki (mm)	FrcdL	h (mm)	h (mm)	FrcdR	h (mm)	h (mm)	L' (m)	h' (m)	Mp (kNm)	MD (kNm)	PD (kNm)	PL (kNm)	PL Patai (kNm)	PE (kNm)	PE (Patai)	Pu (kNm)	Mu (kNm)
1	0	W12x22	6	236.22	W14X257	3.75	147.6	W14X257	3.75	147.6	236.22	135.34	1054.8	-852.42	909.94	-199.8	-82.85	86.33	1278	966.92
	3.75																-86.33			
	0																-86.33			
K5 (Arah X)																				
20	3.75	W16x26	6	236.22	W14X193	3.75	147.6	W14X176	3.75	147.6	220.87	139.79	1591.2	-30.11	30.11	-7.58	-0.82	0.82	39.9	1611.3
	0																-0.82			
	3.75	W18x35	6	236.22	W14X193	3.75	147.6	W14X193	3.75	147.6	220.72	130.94	2394	-103.23	103.23	-26.94	-2.02	2.02	137	2272.3
19	0																-2.02			
	3.75	W18x35	6	236.22	W14X193	3.75	147.6	W14X193	3.75	147.6	220.72	129.94	2394	-176.53	176.53	-46.23	-3.24	3.24	235	2255
	0																-3.24			
18	3.75	W18x35	6	236.22	W14X193	3.75	147.6	W14X193	3.75	147.6	220.72	129.94	2394	-166.35	166.35	-46.23	-3.24			
	0																-4.42			
	3.75	W18x35	6	236.22	W14X193	3.75	147.6	W14X193	3.75	147.6	220.72	129.94	2394	-249.89	249.89	-65.55	-4.42	4.42	333	2255
17	0																-65.55			
	3.75	W18x35	6	236.22	W14X211	3.75	147.6	W14X211	3.75	147.6	220.52	129.94	2394	-239.71	239.71	-65.55	-4.42			
	0																-5.59			
16	3.75	W18x35	6	236.22	W14X211	3.75	147.6	W14X211	3.75	147.6	220.52	129.94	2394	-323.59	323.59	-84.83	-5.59	5.59	431	2257
	0																-5.59			
	3.75	W18x35	6	236.22	W14X211	3.75	147.6	W14X211	3.75	147.6	220.52	129.94	2394	-313.01	313.01	-84.83	-5.59			
15	3.75	W18x35	6	236.22	W14X211	3.75	147.6	W14X211	3.75	147.6	220.52	129.94	2394	-397.21	397.21	-104.1	-6.74	6.74	529	2257
	0																-6.74			
	3.75	W18x35	6	236.22	W14X211	3.75	147.6	W14X211	3.75	147.6	220.52	129.94	2394	-386.63	386.63	-123.4	-7.87	7.87	627	2257
14	3.75	W18x35	6	236.22	W14X211	3.75	147.6	W14X211	3.75	147.6	220.52	129.94	2394	-470.88	470.88	-123.4	-7.87			
	0																-7.87			
	3.75	W18x35	6	236.22	W14X211	3.75	147.6	W14X211	3.75	147.6	220.52	129.94	2394	-460.3	460.3	-142.7	-8.95	8.95	725	2257
13	3.75	W18x35	6	236.22	W14X211	3.75	147.6	W14X211	3.75	147.6	220.52	129.94	2394	-533.97	533.97	-142.7	-8.95			
	0																-8.95			
	3.75	W18x40	6	236.22	W14X233	3.75	147.6	W14X233	3.75	147.6	220.22	129.84	2822.4	-618.67	618.67	-162	-10.03	10.03	823	2662.5
12	3.75	W18x40	6	236.22	W14X233	3.75	147.6	W14X233	3.75	147.6	220.22	129.84	2822.4	-607.75	607.75	-162	-10.03			
	0																-10.03			
	3.75	W18x40	6	236.22	W14X233	3.75	147.6	W14X233	3.75	147.6	220.22	129.74	2822.4	-692.78	692.78	-181.3	-11.08	11.08	922	2660.4
11	3.75	W18x40	6	236.22	W14X233	3.75	147.6	W14X233	3.75	147.6	220.22	129.74	2822.4	-681.86	681.86	-181.3	-11.08			
	0																-11.08			
	3.75	W18x40	6	236.22	W14X233	3.75	147.6	W14X233	3.75	147.6	220.22	129.74	2822.4	-766.97	766.97	-200.7	-12.08	12.08	1021	2660.4
10	3.75	W18x40	6	236.22	W14X233	3.75	147.6	W14X233	3.75	147.6	220.22	129.74	2822.4	-756.05	756.05	-200.7	-12.08			
	0																-12.08			
	3.75	W18x40	6	236.22	W14X233	3.75	147.6	W14X233	3.75	147.6	220.22	129.74	2822.4	-841.21	841.21	-220.2	-13	13	1120	2660.4
9	3.75	W18x40	6	236.22	W14X233	3.75	147.6	W14X233	3.75	147.6	220.22	129.74	2822.4	-830.29	830.29	-220.2	-13			
	0																-13			
	3.75	W18x40	6	236.22	W14X233	3.75	147.6	W14X233	3.75	147.6	220.22	129.74	2822.4	-915.87	915.87	-239.6	-13.87	13.87	1219	3085.2
8	3.75	W18x46	6	236.22	W14X283	3.75	147.6	W14X283	3.75	147.6	219.52	129.64	3265.2	-904.62	904.62	-259.1	-13.87			
	0																-13.87			
	3.75	W18x46	6	236.22	W14X283	3.75	147.6	W14X283	3.75	147.6	219.52	129.64	3265.2	-990.6	990.6	-259.1	-14.69	14.69	1318	3082.8
7	3.75	W18x46	6	236.22	W14X283	3.75	147.6	W14X283	3.75	147.6	219.52	129.64	3265.2	-979.35	979.35	-259.1	-14.69			
	0																-14.69			
	3.75	W18x46	6	236.22	W14X283	3.75	147.6	W14X283	3.75	147.6	219.52	129.64	3265.2	-1065.49	1065.49	-278.7	-15.41	15.41	1418	3082.8
6	3.75	W18x46	6	236.22	W14X283	3.75	147.6	W14X283	3.75	147.6	219.52	129.64	3265.2	-1054.24	1054.24	-278.7	-15.41			
	0																-15.41			
	3.75	W18x46	6	236.22	W14X283	3.75	147.6	W14X283	3.75	147.6	219.52	129.64	3265.2	-1129.27	1129.27	-298.4	-16.02	16.02	1518	3082.8
5	3.75	W18x46	6	236.22	W14X283	3.75	147.6	W14X283	3.75	147.6	219.52	129.64	3265.2	-1140.52	1140.52	-298.4	-16.02			
	0																-16.02			
	3.75	W18x50	6	236.22	W14X342	3.75	147.6	W14X342	3.75	147.6	218.72	129.59	3636	-1216.62	1216.62	-318.2	-16.5	16.5	1619	3446.8
4	3.75	W18x50	6	236.22	W14X342	3.75	147.6	W14X342	3.75	147.6	218.72	129.59	3636	-1204.65	1204.65	-318.2	-16.5			
	0																-16.5			
	3.75	W18x50	6	236.22	W14X342	3.75	147.6	W14X342	3.75	147.6	218.72	129.64	3636	-1292.64	1292.64	-338	-16.87	16.87	1720	3448.1
3	3.75	W18x50	6	236.22	W14X342	3.75	147.6	W14X342	3.75	147.6	218.72	129.64	3636	-1280.68	1280.68	-338	-16.87			
	0																-16.87			
	3.75	W18x50	6	236.22	W14X342	3.75	147.6	W14X342	3.75	147.6	218.72	129.64	3636	-1368.61	1368.61	-357.9	-17.11	17.11	1821	3448.1
2	3.75	W18x50	6	236.22	W14X342	3.75	147.6	W14X342	3.75	147.6	218.72	129.64	3636	-1368.61	1368.61	-357.9	-17.11			
	0																-17.11			
	3.75	W18x50	6	236.22	W14X342	3.75	147.6	W14X342	3.75	147.6	218.72	129.64	3636	-1368.61	1368.61	-357.9	-17.11			

LAMPIRAN C-3

K5 (Arah Y)	Lantai	Stasio	Balok	(K5)				(K4)				L' (m)	b' (m)	Mp	PD		PL		PI		PE		Pu	Mu																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				Arch	Y B4	L tdk (m)	L tdk (m)	Profil	h (m)	h (m)	h (m)				h (m)	h (m)	h (m)	h (m)	h (m)	h (m)	h (m)	h (m)			h (m)	h (m)	h (m)	h (m)	h (m)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

LAMPIRAN C-3

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LAMPIRAN C-3

No	K6 (Arah Y)	Lantai	Stasio	Balok	(K3)				(K3)				L' (m)	h' (m)	Mp (kNm)	PD (kNps)	PD Paktal (kNps)	PL (kNps)	PL Paktal (kNps)		PE (kNps)	Pu (kNps)	Mu (kNm)
					Arb Y B4 (m)	L B4 (m)	L B4 (m)	Profil	h (m)	b (m)	b (m)	Profil							h (m)	b (m)			
2	3.75	W18x50	6	236.22	W14X342	3.75	147.6	W14X342	3.75	147.6	218.72	129.64	3636	-1322.1	1322.1	-351.6	351.62	0	0	1762	3448.1		
	0													-1310.85		-351.6		0					
1	3.75	W18x50	6	236.22	W14X342	3.75	147.6	W14X342	3.75	147.6	218.72	129.64	3636	-1396.38	1396.4	-371.3	371.33	0	0	1861	3448.1		
	0													-1385.13		-371.3		0					
20	3.75	W10x33	6	236.22	W14X176	3.75	147.6	W14X145	3.75	147.6	236.22	142.77	1396.8	-28.21	28.21	-7.35	7.35	0	0	37.5	1350.8		
	0													-26.05		-7.35		0					
19	3.75	W12x30	6	236.22	W14X193	3.75	147.6	W14X176	3.75	147.6	236.22	136.62	1551.6	-98.69	98.69	-26.33	26.33	0	0	132	1435.8		
	0													-89.17		-26.33		0					
18	3.75	W12x30	6	236.22	W14X193	3.75	147.6	W14X176	3.75	147.6	236.22	135.34	1551.6	-169.42	169.42	-45.28	45.28	0	0	226	1422.3		
	0													-159.58		-45.28		0					
17	3.75	W12x30	6	236.22	W14X193	3.75	147.6	W14X176	3.75	147.6	236.22	135.34	1551.6	-240.2	240.2	-64.25	64.25	0	0	320	1422.3		
	0													-230.36		-64.25		0					
16	3.75	W12x30	6	236.22	W14X211	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1551.6	-311.34	311.34	-83.22	83.22	0	0	415	1422.3		
	0													-301.16		-83.22		0					
15	3.75	W12x30	6	236.22	W14X211	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1551.6	-382.53	382.53	-102.2	102.2	0	0	510	1422.3		
	0													-372.34		-102.2		0					
14	3.75	W12x30	6	236.22	W14X211	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1551.6	-453.76	453.76	-121.2	121.21	0	0	605	1422.3		
	0													-443.58		-121.2		0					
13	3.75	W12x30	6	236.22	W14X211	3.75	147.6	W14X193	3.75	147.6	236.22	135.34	1551.6	-525.11	525.11	-140.3	140.27	0	0	700	1422.3		
	0													-514.93		-140.3		0					
12	3.75	W12x30	6	236.22	W14X233	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	-596.84	596.84	-159.3	159.29	0	0	796	1422.3		
	0													-586.26		-159.3		0					
11	3.75	W12x30	6	236.22	W14X233	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	-668.64	668.64	-178.3	178.34	0	0	892	1422.3		
	0													-658.06		-178.3		0					
10	3.75	W12x30	6	236.22	W14X233	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	-740.51	740.51	-197.4	197.43	0	0	987	1422.3		
	0													-729.93		-197.4		0					
9	3.75	W12x30	6	236.22	W14X233	3.75	147.6	W14X211	3.75	147.6	236.22	135.34	1551.6	-812.5	812.5	-216.6	216.58	0	0	1083	1422.3		
	0													-801.92		-216.6		0					
8	3.75	W12x30	6	236.22	W14X283	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	-884.68	884.68	-235.7	235.69	0	0	1179	1422.3		
	0													-873.77		-235.7		0					
7	3.75	W12x30	6	236.22	W14X283	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	-956.97	956.97	-254.9	254.85	0	0	1276	1422.3		
	0													-946.06		-254.9		0					
6	3.75	W12x30	6	236.22	W14X283	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	-1029.37	1029.4	-274.1	274.06	0	0	1372	1422.3		
	0													-1018.46		-274.1		0					
5	3.75	W12x30	6	236.22	W14X283	3.75	147.6	W14X233	3.75	147.6	236.22	135.34	1551.6	-1101.94	1101.9	-293.4	293.35	0	0	1469	1422.3		
	0													-1091.02		-293.4		0					
4	3.75	W12x30	6	236.22	W14X342	3.75	147.6	W14X257	3.75	147.6	236.22	135.34	1551.6	-1174.93	1174.9	-312.6	312.64	0	0	1566	1422.3		
	0													-1163.68		-312.6		0					
3	3.75	W12x30	6	236.22	W14X342	3.75	147.6	W14X257	3.75	147.6	236.22	135.34	1551.6	-1248.31	1248.3	-332.1	332.06	0	0	1684	1422.3		
	0													-1237.06		-332.1		0					

2	3.75	W12x30	6	236.22	W14X342	3.75	147.6	236.22	135.34	1551.6	-1322.1	1322.1	-351.6	351.62	0	0	1762	1422.3
	0										-1310.85		-351.6		0			
1	3.75	W12x30	6	236.22	W14X342	3.75	147.6	236.22	135.34	1551.6	-1396.38	1396.4	-371.3	371.33	0	0	1861	1422.3
	0										-1385.13		-371.3		0			

Tabel gaya geser rencana Kolom Open Frame

Kolom 1 (K1)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	4.07	-1.93	1.22	-0.58	1.79	-0.3	13.0725	3.8955
19	5.2	-2.95	1.56	-0.72	3.23	-0.29	20.664	5.0715
18	5.36	-2.7	1.62	-0.69	5.22	-0.38	29.253	5.1555
17	5.12	-2.62	1.54	-0.66	6.66	-0.45	34.965	5.334
16	5.53	-2.74	1.67	-0.69	7.7	-0.45	39.9	5.4915
15	5.3	-2.66	1.59	-0.67	9.27	-0.54	46.1685	5.7645
14	5.27	-2.69	1.58	-0.68	10.64	-0.61	51.8805	6.1005
13	5.16	-2.61	1.55	-0.65	11.73	-0.63	56.3115	6.069
12	5.47	-2.71	1.64	-0.68	12.47	-0.58	59.8395	5.9955
11	5.2	-2.63	1.56	-0.65	13.74	-0.66	64.806	6.216
10	5.14	-2.65	1.53	-0.65	14.89	-0.7	69.5415	6.405
9	4.89	-2.56	1.46	-0.63	15.19	-0.73	70.4655	6.4155
8	5.05	-2.67	1.5	-0.65	14.09	-0.64	66.0555	6.174
7	4.77	-2.59	1.41	-0.63	15.51	-0.72	71.631	6.405
6	4.66	-2.61	1.37	-0.63	16.18	-0.75	74.2875	6.552
5	4.42	-2.52	1.29	-0.6	16.65	-0.74	75.9255	6.384
4	4.54	-2.64	1.32	-0.63	16.31	-0.63	74.655	6.0795
3	4.13	-2.48	1.2	-0.58	17.54	-0.76	79.2645	6.405
2	4.27	-2.77	1.23	-0.65	18.71	-0.85	84.357	7.161
1	2.29	-1.57	0.65	-0.36	23.46	-1.53	101.619	8.4525

Kolom 2 (K2)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	1.48	-3.47	0.47	-1.2	5	-0.15	23.0475	5.5335
19	1.73	-4.1	0.55	-1.4	8	-0.16	35.994	6.447
18	2.07	-3.95	0.65	-1.35	11.56	-0.19	51.408	6.363
17	2.04	-3.83	0.64	-1.31	14.06	-0.24	61.866	6.405
16	2.3	-4	0.73	-1.36	16.92	-0.24	74.2455	6.636
15	2.14	-3.89	0.68	-1.32	19.31	-0.29	84.063	6.6885
14	2.05	-3.92	0.65	-1.33	21.65	-0.33	93.765	6.8985
13	2.04	-3.8	0.64	-1.29	23.73	-0.34	102.48	6.7725
12	2.2	-3.96	0.7	-1.33	26.28	-0.31	113.421	6.8565
11	1.99	-3.83	0.63	-1.29	27.85	-0.36	119.721	6.888
10	1.85	-3.86	0.59	-1.29	29.71	-0.38	127.344	7.0035
9	1.67	-3.72	0.53	-1.24	29.92	-0.4	127.974	6.888
8	1.63	-3.88	0.51	-1.29	29.53	-0.35	126.273	6.8985
7	1.4	-3.75	0.44	-1.24	30.89	-0.4	131.67	6.9195
6	1.2	-3.77	0.38	-1.24	31.73	-0.42	134.925	7.0245
5	1.01	-3.66	0.32	-1.2	32.35	-0.42	137.2665	6.867
4	0.89	-3.8	0.28	-1.23	32.69	-0.35	138.5265	6.7515
3	0.61	-3.59	0.2	-1.16	33	-0.43	139.4505	6.7935
2	0.32	-4.01	0.11	-1.28	32.87	-0.47	138.5055	7.5285

Tabel gaya geser rencana Kolom Open Frame

Kolom 3 (K3)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	0	-3.23	0	-1.14	6.1	0	25.62	4.5885
19	0	-3.96	0	-1.36	9.17	0	38.514	5.586
18	0	-3.79	0	-1.31	12.85	0	53.97	5.355
17	0	-3.69	0	-1.27	15.24	0	64.008	5.208
16	0	-3.86	0	-1.33	18.37	0	77.154	5.4495
15	0	-3.75	0	-1.29	20.55	0	86.31	5.292
14	0	-3.79	0	-1.3	22.77	0	95.634	5.3445
13	0	-3.69	0	-1.26	24.8	0	104.16	5.1975
12	0	-3.85	0	-1.31	27.6	0	115.92	5.418
11	0	-3.74	0	-1.27	28.91	0	121.422	5.2605
10	0	-3.77	0	-1.27	30.61	0	128.562	5.292
9	0	-3.66	0	-1.23	30.68	0	128.856	5.1345
8	0	-3.82	0	-1.28	30.5	0	128.1	5.355
7	0	-3.7	0	-1.23	31.52	0	132.384	5.1765
6	0	-3.73	0	-1.23	32.17	0	135.114	5.208
5	0	-3.61	0	-1.18	32.46	0	136.332	5.0295
4	0	-3.78	0	-1.23	33.13	0	139.146	5.2605
3	0	-3.56	0	-1.15	32.83	0	137.886	4.9455
2	0	-3.99	0	-1.28	32.23	0	135.366	5.5335
1	0	-2.26	0	-0.72	29.58	0	124.236	3.129

Kolom 4 (K4)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	7.45	-0.22	2.54	-0.13	3.12	-0.65	23.5935	3.0975
19	7.35	-0.12	2.79	-0.08	4.55	-0.52	29.757	2.394
18	9.2	-0.19	3.41	-0.12	7.58	-0.78	45.0765	3.6015
17	8.12	-0.16	3.03	-0.1	9.9	-0.86	53.2875	3.885
16	8.95	-0.17	3.34	-0.1	11.53	-0.91	61.3305	4.1055
15	8.53	-0.16	3.19	-0.1	13.92	-1.06	70.77	4.725
14	8.48	-0.15	3.17	-0.09	15.99	-1.19	79.3905	5.25
13	8.32	-0.14	3.11	-0.09	17.69	-1.23	86.2995	5.4075
12	8.75	-0.14	3.26	-0.09	18.56	-1.18	90.5625	5.1975
11	8.32	-0.12	3.1	-0.08	20.6	-1.3	98.511	5.67
10	8.2	-0.11	3.05	-0.07	22.15	-1.37	104.8425	5.943
9	7.78	-0.09	2.89	-0.06	23.63	-1.4	110.4495	6.0375
8	8.38	-0.09	3.11	-0.06	24.22	-1.32	113.7885	5.7015
7	7.74	-0.07	2.87	-0.05	25.86	-1.41	119.7525	6.048
6	7.53	-0.06	2.79	-0.04	27.03	-1.47	124.362	6.279
5	7.14	-0.05	2.64	-0.04	28.16	-1.44	128.541	6.1425
4	7.19	-0.04	2.64	-0.03	27.52	-1.26	125.9055	5.3655
3	6.59	-0.02	2.41	-0.02	29.63	-1.43	133.896	6.048
2	6.77	0	2.46	-0.01	31.4	-1.51	141.5715	6.3525
1	3.61	0.01	1.3	0	38.08	-2.31	165.0915	9.7125

Tabel gaya geser rencana Kolom Open Frame

Kolom 5 (K5)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	1.78	-0.37	0.75	-0.25	7.56	-0.3	34.4085	1.911
19	2.33	-0.25	0.94	-0.17	12.93	-0.31	57.7395	1.743
18	2.52	-0.3	1.02	-0.19	16.74	-0.39	74.025	2.1525
17	2.61	-0.27	1.06	-0.18	21.16	-0.46	92.7255	2.4045
16	2.95	-0.28	1.19	-0.18	25.51	-0.48	111.489	2.499
15	2.78	-0.26	1.12	-0.17	29.18	-0.57	126.651	2.8455
14	2.67	-0.25	1.08	-0.17	32.69	-0.64	141.2355	3.129
13	2.68	-0.23	1.08	-0.15	36.02	-0.67	155.232	3.213
12	2.88	-0.23	1.16	-0.15	39.39	-0.64	169.68	3.087
11	2.64	-0.2	1.06	-0.14	41.98	-0.71	180.201	3.339
10	2.46	-0.18	0.98	-0.13	44.45	-0.76	190.302	3.5175
9	2.36	-0.15	0.94	-0.11	46.74	-0.77	199.773	3.507
8	2.53	-0.14	1	-0.1	50.53	-0.73	215.9325	3.318
7	2.11	-0.12	0.84	-0.09	51.53	-0.78	219.5235	3.4965
6	1.8	-0.09	0.72	-0.07	53.1	-0.82	225.666	3.612
5	1.5	-0.07	0.61	-0.06	54.19	-0.8	229.8135	3.4965
4	1.33	-0.05	0.54	-0.05	56.04	-0.71	237.3315	3.087
3	0.9	-0.03	0.37	-0.03	55.97	-0.81	236.4075	3.465
2	0.47	0.01	0.2	-0.01	55.74	-0.86	234.8115	3.633
1	0.1	0.02	0.05	0	52.43	-1.3	220.3635	5.481

Kolom 6 (K6)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	0	-0.17	0	-0.2	9.29	0	39.018	0.3885
19	0	-0.11	0	-0.13	14.64	0	61.488	0.252
18	0	-0.15	0	-0.16	19.14	0	80.388	0.3255
17	0	-0.13	0	-0.15	23.56	0	98.952	0.294
16	0	-0.14	0	-0.15	28.03	0	117.726	0.3045
15	0	-0.14	0	-0.15	31.72	0	133.224	0.3045
14	0	-0.13	0	-0.14	35.22	0	147.924	0.2835
13	0	-0.13	0	-0.13	38.63	0	162.246	0.273
12	0	-0.13	0	-0.13	41.93	0	176.106	0.273
11	0	-0.12	0	-0.12	44.55	0	187.11	0.252
10	0	-0.1	0	-0.11	46.75	0	196.35	0.2205
9	0	-0.09	0	-0.1	50	0	210	0.1995
8	0	-0.09	0	-0.09	51.58	0	216.636	0.189
7	0	-0.07	0	-0.08	53.42	0	224.364	0.1575
6	0	-0.05	0	-0.07	54.51	0	228.942	0.126
5	0	-0.04	0	-0.05	55.38	0	232.596	0.0945
4	0	-0.02	0	-0.04	57.06	0	239.652	0.063
3	0	-0.01	0	-0.03	56.61	0	237.762	0.042
2	0	0.02	0	-0.01	55.94	0	234.948	0.0315
1	0	0.03	0	0	52.41	0	220.122	0.0315

Tabel gaya geser rencana Kolom Outrigger & beltruss

Kolom 1 (K1)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	3.16	-1.73	0.94	-0.46	-0.59	0.04	6.783	2.4675
19	4.25	-2.98	1.27	-0.66	1.27	-0.08	11.13	4.158
18	4.06	-2.62	1.22	-0.6	0.81	-0.09	8.946	3.759
17	3.99	-2.62	1.2	-0.59	1.06	-0.1	9.9015	3.7905
16	4.24	-2.72	1.28	-0.62	1.52	-0.11	12.18	3.969
15	4.11	-2.66	1.24	-0.61	1.11	-0.11	10.2795	3.8955
14	4.11	-2.69	1.24	-0.61	1.3	-0.12	11.0775	3.969
13	3.99	-2.62	1.2	-0.6	1.36	-0.14	11.1615	3.969
12	4.14	-2.72	1.25	-0.62	1.37	-0.14	11.4135	4.095
11	3.96	-2.65	1.19	-0.6	3.13	-0.35	18.5535	4.8825
10	3.93	-2.67	1.18	-0.6	-2.8	0.53	17.1255	5.6595
9	3.79	-2.6	1.14	-0.59	3.21	-0.37	18.6585	4.9035
8	3.98	-2.72	1.2	-0.61	1.61	-0.15	12.201	4.1265
7	3.87	-2.65	1.16	-0.59	1.69	-0.17	12.3795	4.116
6	3.88	-2.68	1.16	-0.6	1.83	-0.18	12.978	4.2
5	3.74	-2.59	1.11	-0.58	1.16	-0.16	9.9645	4.0005
4	3.92	-2.72	1.15	-0.61	1.31	-0.15	10.8255	4.1265
3	3.69	-2.57	1.08	-0.57	1.14	-0.17	9.7965	4.011
2	3.96	-2.87	1.14	-0.63	0.77	-0.18	8.589	4.431
1	2.16	-1.63	0.62	-0.36	2.88	-0.5	15.015	4.1895

Kolom 2 (K2)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	0.29	-1.82	0.1	-0.64	-1.06	-0.03	4.6445	2.671
19	0.39	-4.73	0.14	-1.51	2.69	-0.11	11.3095	6.9165
18	0.38	-3.36	0.13	-1.09	1.49	-0.08	6.489	4.938
17	0.48	-3.71	0.17	-1.2	2.05	-0.09	8.874	5.4555
16	0.63	-3.91	0.22	-1.27	2.9	-0.1	12.4815	5.7755
15	0.59	-3.75	0.21	-1.21	2.34	-0.09	10.1895	5.5075
14	0.56	-3.85	0.2	-1.24	2.58	-0.1	11.108	5.6825
13	0.55	-3.59	0.19	-1.16	2.68	-0.11	11.4875	5.3695
12	0.57	-4.44	0.2	-1.41	2.95	-0.12	12.5985	6.552
11	0.49	-1.51	0.17	-0.55	4.59	-0.21	19.0445	2.9755
10	0.43	-1.57	0.15	-0.56	-2.51	0.29	10.6415	3.3685
9	0.42	-4.22	0.15	-1.33	4.66	-0.24	19.231	6.721
8	0.52	-3.84	0.18	-1.22	3.53	-0.12	14.846	5.732
7	0.45	-3.81	0.16	-1.21	3.33	-0.12	13.9525	5.6905
6	0.4	-3.82	0.14	-1.21	3.48	-0.12	14.48	5.701
5	0.33	-3.69	0.12	-1.16	2.46	-0.1	10.3065	5.4345
4	0.28	-3.87	0.1	-1.21	2.59	-0.1	10.754	5.6735
3	0.19	-3.66	0.07	-1.14	2.22	-0.11	9.1495	5.423
2	0.05	-4.1	0.03	-1.27	1.74	-0.11	7.0425	6.015
1	-0.02	-2.33	0	-0.72	4.05	-0.31	16.221	4.4065

Tabel gaya geser rencana Kolom Outrigger & belttruss

Kolom 3 (K3)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	0	-3.57	0	-1.22	-0.61	0	2.44	4.9685
19	0	-4.02	0	-1.33	2.14	0	8.56	5.551
18	0	-4.02	0	-1.34	1.68	0	6.72	5.561
17	0	-3.87	0	-1.28	2.15	0	8.6	5.3435
16	0	-4.04	0	-1.34	2.93	0	11.72	5.582
15	0	-3.94	0	-1.3	2.44	0	9.76	5.437
14	0	-3.98	0	-1.31	2.66	0	10.64	5.489
13	0	-3.86	0	-1.27	2.77	0	11.08	5.323
12	0	-4.03	0	-1.32	3.05	0	12.2	5.5515
11	0	-3.92	0	-1.28	4.71	0	18.84	5.396
10	0	-3.95	0	-1.29	-2.39	0	9.56	5.4375
9	0	-3.82	0	-1.24	4.83	0	19.32	5.251
8	0	-3.99	0	-1.29	3.52	0	14.08	5.4795
7	0	-3.86	0	-1.24	3.41	0	13.64	5.293
6	0	-3.88	0	-1.24	3.49	0	13.96	5.314
5	0	-3.75	0	-1.19	2.52	0	10.08	5.1275
4	0	-3.92	0	-1.24	2.62	0	10.48	5.356
3	0	-3.69	0	-1.16	2.24	0	8.96	5.0345
2	0	-4.11	0	-1.28	1.77	0	7.08	5.5955
1	0	-2.33	0	-0.72	3.71	0	14.84	3.1665

Kolom 4 (K4)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	5.47	-0.08	1.92	-0.06	-0.55	-0.07	9.8635	0.424
19	6.47	-0.06	2.58	-0.06	1.98	-0.23	17.2935	1.043
18	6.3	-0.11	2.46	-0.07	1.56	-0.26	15.315	1.2255
17	5.97	-0.09	2.35	-0.06	1.68	-0.27	15.3385	1.2345
16	6.63	-0.11	2.6	-0.07	2.19	-0.31	18.3215	1.4255
15	6.29	-0.1	2.47	-0.06	1.68	-0.3	15.7945	1.365
14	6.36	-0.1	2.49	-0.06	1.95	-0.33	16.968	1.485
13	6.18	-0.09	2.42	-0.06	2.07	-0.35	17.189	1.5545
12	6.52	-0.09	2.56	-0.06	2.18	-0.36	18.126	1.5945
11	6.3	-0.08	2.46	-0.05	4.66	-0.59	27.715	2.494
10	6.29	-0.07	2.45	-0.05	-4.19	0.56	25.8145	2.3635
9	6.07	-0.07	2.37	-0.04	4.84	-0.62	28.1035	2.5935
8	6.35	-0.07	2.49	-0.04	2.61	-0.38	19.5975	1.6335
7	6.09	-0.06	2.37	-0.04	2.67	-0.39	19.4445	1.663
6	6.06	-0.05	2.34	-0.03	2.83	-0.4	20.023	1.6825
5	5.77	-0.04	2.22	-0.03	2.05	-0.35	16.4785	1.472
4	6.01	-0.03	2.3	-0.02	2.36	-0.34	18.0505	1.4115
3	5.7	-0.01	2.15	-0.01	2.1	-0.35	16.535	1.4205
2	6.15	0.02	2.28	0	1.68	-0.36	15.4575	1.461
1	3.37	0.02	1.23	0	4.59	-0.69	23.1285	2.781

Tabel gaya geser rencana Kolom Outrigger & belttruss

Kolom 5 (K5)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	1.12	-0.13	0.66	-0.12	-1.16	-0.3	6.476	1.4565
19	1.34	-0.06	0.73	-0.08	3.6	-0.34	16.537	1.503
18	1.35	-0.06	0.74	-0.09	2.9	-0.41	13.7575	1.793
17	1.31	-0.05	0.71	-0.08	3.25	-0.43	15.0855	1.8525
16	1.43	-0.09	0.77	-0.09	4.02	-0.48	18.3515	2.1045
15	1.35	-0.09	0.73	-0.09	3.25	-0.48	15.1475	2.1045
14	1.29	-0.1	0.7	-0.09	3.69	-0.51	16.8145	2.235
13	1.3	-0.1	0.7	-0.09	3.95	-0.51	17.865	2.235
12	1.41	-0.11	0.76	-0.09	4.27	-0.54	19.3205	2.3655
11	1.3	-0.08	0.7	-0.07	7.96	-0.63	33.905	2.674
10	1.18	-0.07	0.64	-0.06	-6.42	0.26	27.559	1.1735
9	1.15	-0.1	0.62	-0.08	8.31	-0.69	35.0675	2.945
8	1.22	-0.12	0.65	-0.08	5.1	-0.48	22.331	2.126
7	1.04	-0.1	0.56	-0.07	5.13	-0.49	22.172	2.135
6	0.88	-0.08	0.48	-0.06	5.38	-0.48	22.924	2.064
5	0.75	-0.06	0.4	-0.04	4.04	-0.41	17.3475	1.743
4	0.68	-0.04	0.37	-0.04	4.68	-0.39	19.804	1.642
3	0.43	-0.03	0.24	-0.03	4.08	-0.36	17.0115	1.5015
2	0.15	-0.01	0.11	-0.01	3.41	-0.32	13.9075	1.3005
1	-0.02	0	0.01	0	7.9	-0.55	31.631	2.2

Kolom 6 (K6)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	0	-0.02	0	-0.1	-1.12	0	4.48	0.121
19	0	0	0	-0.07	3.14	0	12.56	0.07
18	0	-0.02	0	-0.08	2.71	0	10.84	0.101
17	0	-0.02	0	-0.08	3.05	0	12.2	0.101
16	0	-0.03	0	-0.08	3.78	0	15.12	0.1115
15	0	-0.03	0	-0.08	3.1	0	12.4	0.1115
14	0	-0.03	0	-0.08	3.52	0	14.08	0.1115
13	0	-0.03	0	-0.08	3.76	0	15.04	0.1115
12	0	-0.04	0	-0.08	4.14	0	16.56	0.122
11	0	-0.04	0	-0.07	7.36	0	29.44	0.112
10	0	-0.03	0	-0.07	-5.75	0	23	0.1015
9	0	-0.02	0	-0.06	7.68	0	30.72	0.081
8	0	-0.02	0	-0.06	4.97	0	19.88	0.081
7	0	-0.02	0	-0.05	4.99	0	19.96	0.071
6	0	0	0	-0.04	5.21	0	20.84	0.04
5	0	0	0	-0.03	4.05	0	16.2	0.03
4	0	0.01	0	-0.02	4.49	0	17.96	0.0305
3	0	0.02	0	-0.01	4.01	0	16.04	0.031
2	0	0.05	0	0	3.41	0	13.64	0.0525
1	0	0.04	0	0.01	6.9	0	27.6	0.052

Tabel gaya geser rencana Kolom G100ai

Kolom 5 (K5)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	1.11	-0.39	0.66	-0.31	4.17	0.5	18.5055	2.7195
19	1.33	-0.25	0.74	-0.21	2.97	0.39	14.0165	2.0325
18	1.34	-0.26	0.76	-0.22	3.12	0.43	14.647	2.213
17	1.3	-0.23	0.73	-0.2	6.32	0.3	27.375	1.6415
16	1.41	-0.26	0.78	-0.22	7.11	0.31	30.7005	1.733
15	1.34	-0.25	0.74	-0.21	4.09	0.39	18.507	2.0325
14	1.27	-0.24	0.71	-0.2	4.01	0.38	18.0835	1.972
13	1.28	-0.23	0.71	-0.19	8.07	0.25	34.334	1.4315
12	1.39	-0.23	0.76	-0.19	9.47	0.23	40.0995	1.3515
11	1.27	-0.22	0.7	-0.17	5	0.33	22.0335	1.721
10	1.17	-0.2	0.64	-0.16	4.78	0.3	20.9885	1.57
9	1.16	-0.19	0.63	-0.14	9.09	0.17	38.208	1.0195
8	1.22	-0.18	0.66	-0.14	11.04	0.12	46.101	0.809
7	1.04	-0.15	0.57	-0.12	5.59	0.23	24.022	1.1975
6	0.89	-0.11	0.48	-0.1	5.51	0.18	23.4545	0.9355
5	0.75	-0.07	0.41	-0.07	8.21	0.08	34.0375	0.4635
4	0.69	-0.05	0.38	-0.06	10.72	0.02	43.9845	0.1925
3	0.43	-0.03	0.25	-0.04	5.61	0.09	23.1415	0.4315
2	0.15	0.02	0.11	-0.01	6.11	0.03	24.7075	0.151
1	-0.02	0.03	0.01	0	10.72	-0.16	42.911	0.6715

Kolom 6 (K6)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	0	-0.55	0	-0.36	4.45	0	17.8	0.9375
19	0	-0.37	0	-0.25	3.67	0	14.68	0.6385
18	0	-0.43	0	-0.28	3.73	0	14.92	0.7315
17	0	-0.38	0	-0.25	6.68	0	26.72	0.649
16	0	-0.4	0	-0.27	7.47	0	29.88	0.69
15	0	-0.39	0	-0.25	4.7	0	18.8	0.6595
14	0	-0.38	0	-0.25	4.63	0	18.52	0.649
13	0	-0.34	0	-0.23	8.34	0	33.36	0.587
12	0	-0.35	0	-0.23	9.82	0	39.28	0.5975
11	0	-0.33	0	-0.21	5.59	0	22.36	0.5665
10	0	-0.31	0	-0.2	5.36	0	21.44	0.5255
9	0	-0.27	0	-0.17	9.35	0	37.4	0.4535
8	0	-0.26	0	-0.16	11.27	0	45.08	0.433
7	0	-0.22	0	-0.14	6.1	0	24.4	0.371
6	0	-0.19	0	-0.12	5.9	0	23.6	0.3195
5	0	-0.14	0	-0.1	8.54	0	34.16	0.247
4	0	-0.11	0	-0.08	10.41	0	41.64	0.1955
3	0	-0.07	0	-0.05	5.94	0	23.76	0.1235
2	0	-0.01	0	-0.02	6.13	0	24.52	0.0305
1	0	0.03	0	0	9.46	0	37.84	0.0315

Tabel gaya geser rencana Kolom Giobai

Kolom 3 (K3)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	0	-3.84	0	-1.37	1.07	0	4.28	5.402
19	0	-4.04	0	-1.37	0.42	0	1.68	5.612
18	0	-4.05	0	-1.38	0.7	0	2.8	5.6325
17	0	-4.07	0	-1.38	2.35	0	9.4	5.6535
16	0	-4.24	0	-1.44	2.92	0	11.68	5.892
15	0	-3.96	0	-1.34	2.19	0	8.76	5.498
14	0	-4	0	-1.35	2.27	0	9.08	5.55
13	0	-4.04	0	-1.36	3.77	0	15.08	5.602
12	0	-4.2	0	-1.41	4.54	0	18.16	5.82
11	0	-3.91	0	-1.3	3.35	0	13.4	5.4055
10	0	-3.94	0	-1.3	3.35	0	13.4	5.437
9	0	-3.97	0	-1.31	4.71	0	18.84	5.4785
8	0	-4.12	0	-1.35	5.97	0	23.88	5.676
7	0	-3.83	0	-1.24	4.38	0	17.52	5.2615
6	0	-3.84	0	-1.24	4.43	0	17.72	5.272
5	0	-3.85	0	-1.23	4.61	0	18.44	5.2725
4	0	-4	0	-1.27	5.78	0	23.12	5.47
3	0	-3.6	0	-1.14	4.84	0	19.36	4.92
2	0	-4	0	-1.25	5.19	0	20.76	5.45
1	0	-2.38	0	-0.74	5.53	0	22.12	3.239

Kolom 4 (K4)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	5.65	-0.14	2.08	-0.09	1.85	0.76	15.4125	3.277
19	6.66	-0.09	2.76	-0.08	1.21	0.68	14.593	2.8945
18	6.47	-0.12	2.63	-0.08	1.24	0.73	14.3835	3.126
17	6.12	-0.1	2.49	-0.08	2.91	0.56	20.556	2.425
16	6.78	-0.11	2.76	-0.08	3.49	0.6	23.839	2.5955
15	6.42	-0.1	2.61	-0.08	1.68	0.7	16.071	2.985
14	6.48	-0.1	2.62	-0.07	1.63	0.7	15.944	2.975
13	6.3	-0.09	2.55	-0.07	3.95	0.53	24.965	2.2845
12	6.65	-0.09	2.69	-0.07	4.73	0.51	28.5925	2.2045
11	6.4	-0.09	2.58	-0.06	2.1	0.64	17.7	2.7145
10	6.41	-0.08	2.56	-0.06	2.01	0.61	17.3305	2.584
9	6.19	-0.07	2.48	-0.05	4.5	0.42	26.9795	1.8035
8	6.47	-0.07	2.6	-0.05	5.65	0.37	31.9935	1.6035
7	6.19	-0.06	2.46	-0.04	2.41	0.48	18.5995	2.023
6	6.14	-0.04	2.41	-0.04	2.45	0.4	18.657	1.682
5	5.84	-0.03	2.28	-0.03	4.15	0.25	25.012	1.0615
4	6.07	-0.02	2.35	-0.02	5.43	0.15	30.4435	0.641
3	5.73	-0.01	2.18	-0.02	2.63	0.2	18.7165	0.8305
2	6.17	0.02	2.3	0	3.02	0.08	20.8585	0.341
1	3.37	0.02	1.24	0	6.17	-0.2	29.4585	0.821

Tabel gaya geser rencana Kolom Global

Kolom 1 (K1)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	3.07	-1.82	0.84	-0.52	0.21	0.87	4.9875	6.111
19	4.07	-3.08	1.2	-0.71	-0.44	0.7	7.3815	6.9195
18	3.82	-2.71	1.12	-0.66	-0.53	0.78	7.413	6.8145
17	3.83	-2.63	1.06	-0.62	1.04	0.63	9.5025	6.0585
16	4.03	-2.72	1.12	-0.65	1.26	0.65	10.6995	6.2685
15	3.77	-2.73	1.11	-0.65	-0.17	0.74	5.838	6.657
14	3.78	-2.75	1.11	-0.65	-0.26	0.74	6.2265	6.678
13	3.81	-2.61	1.05	-0.62	1.75	0.59	12.453	5.8695
12	4	-2.71	1.1	-0.64	2.16	0.59	14.427	5.9955
11	3.73	-2.72	1.1	-0.64	-0.02	0.68	5.1555	6.384
10	3.72	-2.74	1.1	-0.64	-0.06	0.65	5.313	6.279
9	3.69	-2.59	1.02	-0.6	2.2	0.49	14.1855	5.4075
8	3.92	-2.7	1.07	-0.62	2.98	0.44	17.7555	5.334
7	3.67	-2.69	1.08	-0.62	0.3	0.52	6.2475	5.6595
6	3.67	-2.71	1.08	-0.62	0.46	0.44	6.9195	5.3445
5	3.7	-2.56	1	-0.58	2.41	0.31	15.057	4.599
4	3.95	-2.68	1.06	-0.6	3.45	0.21	19.7505	4.326
3	3.59	-2.59	1.04	-0.58	1.01	0.23	9.1035	4.2945
2	3.89	-2.88	1.11	-0.64	1.76	0.11	12.642	4.158
1	2.12	-1.63	0.61	-0.36	4.38	-0.13	21.2625	2.6355

Kolom 2 (K2)								
Lantai	VD,k		VL,k		VE,k	VE,k	VU	VU
	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah y	Arah x	Arah y
	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
20	0.15	-3.43	0.07	-1.23	0.85	0.55	3.6275	7.0315
19	0.17	-4.57	0.07	-1.54	-0.34	0.42	1.6085	8.0185
18	0.28	-3.57	0.09	-1.22	0.17	0.39	1.064	6.5285
17	0.32	-3.83	0.11	-1.3	1.86	0.34	7.886	6.6815
16	0.17	-4.07	0.09	-1.38	2.63	0.36	10.7885	7.0935
15	0.13	-3.9	0.07	-1.32	0.95	0.39	4.0065	6.975
14	0.44	-3.95	0.14	-1.33	1.15	0.38	5.202	6.9975
13	0.45	-3.83	0.14	-1.29	3.4	0.29	14.2125	6.4715
12	0.02	-4.01	0.06	-1.34	4.16	0.28	16.721	6.6705
11	-0.01	-3.88	0.04	-1.29	1.75	0.33	7.0505	6.684
10	0.52	-3.94	0.15	-1.3	1.91	0.31	8.336	6.677
9	0.53	-3.72	0.15	-1.22	4.29	0.21	17.8665	5.966
8	-0.13	-4.07	0.02	-1.33	5.81	0.19	23.3965	6.3635
7	-0.18	-3.82	0	-1.24	2.54	0.23	10.349	6.171
6	0.58	-3.86	0.15	-1.25	2.88	0.19	12.279	6.063
5	0.57	-3.71	0.15	-1.19	4.72	0.11	19.6285	5.5255
4	-0.42	-3.88	-0.06	-1.23	6	0.07	24.501	5.584
3	-0.48	-3.64	-0.08	-1.15	3.56	0.1	14.824	5.372
2	0.55	-4.08	0.11	-1.27	4.12	0.05	17.1675	5.754
1	0.55	-2.25	0.11	-0.7	7.2	-0.09	29.4875	3.4225

Tabel Perhitungan desain Kolom Struktur OF
KOLOM K1

Lt	Profil	K		Lb		Ac			Fcr (Ksi)	$\phi_c P_n$ (Kips)	Pu			Pu / $\phi_c P_n$	Rasio	Cek Rasio Mu/φPu
		Kx	Ky	(m)	(in)	Acx	Acy	Ac Pakai			Pux	Puy	Pu pakai			
20	W14X132	2.8	1.9	3.75	147.6	0.019	0.83752	0.83752	26.84	885.2	14.553	14.553	14.553	0.0164	0.343	Aman
19	W14X193	3.3	2.8	3.75	147.6	0.021	1.14571	1.14571	20.78	1003	58.605	58.605	58.605	0.0584	0.268	Aman
18	W14X233	3.4	3.1	3.75	147.6	0.022	1.25335	1.25335	18.65	1086	106.37	106.37	106.37	0.0979	0.243	Aman
17	W14X233	3.55	3.2	3.75	147.6	0.023	1.29378	1.29378	17.87	1040	155.53	155.53	155.53	0.1495	0.268	Aman
16	W14X257	3.6	3.25	3.75	147.6	0.023	1.30337	1.30337	17.68	1136	207.64	207.64	207.64	0.1828	0.265	Aman
15	W14X257	3.7	3.3	3.75	147.6	0.023	1.32343	1.32343	17.3	1111	261.16	261.16	261.16	0.235	0.389	Aman
14	W14X257	3.7	3.3	3.75	147.6	0.023	1.32343	1.32343	17.3	1111	316.01	316.01	316.01	0.2843	0.439	Aman
13	W14X257	3.65	3.35	3.75	147.6	0.023	1.34348	1.34348	16.91	1087	371.9	371.9	371.9	0.3422	0.497	Aman
12	W14X283	3.65	3.45	3.75	147.6	0.023	1.3746	1.3746	16.32	1156	430.72	430.72	430.72	0.3726	0.522	Aman
11	W14X283	3.7	3.5	3.75	147.6	0.023	1.39452	1.39452	15.95	1129	490.34	490.34	490.34	0.4341	0.583	Aman
10	W14X283	3.7	3.5	3.75	147.6	0.023	1.39452	1.39452	15.95	1129	550.78	550.78	550.78	0.4876	0.637	Aman
9	W14X283	3.65	3.5	3.75	147.6	0.023	1.39452	1.39452	15.95	1129	611.61	611.61	611.61	0.5415	0.691	Aman
8	W14X311	3.65	3.6	3.75	147.6	0.022	1.42097	1.42097	15.46	1201	673.22	673.22	673.22	0.5604	0.703	Aman
7	W14X311	3.7	3.6	3.75	147.6	0.023	1.42097	1.42097	15.46	1201	734.88	734.88	734.88	0.6118	0.754	Aman
6	W14X311	3.7	3.6	3.75	147.6	0.023	1.42097	1.42097	15.46	1201	796.79	796.79	796.79	0.6633	0.806	Aman
5	W14X311	3.8	3.6	3.75	147.6	0.023	1.42097	1.42097	15.46	1201	858.53	858.53	858.53	0.7147	0.857	Aman
4	W14X370	3.9	3.9	3.75	147.6	0.023	1.51207	1.51207	13.81	1279	922.01	922.01	922.01	0.7207	0.838	Aman
3	W14X370	4.1	4	3.75	147.6	0.024	1.55084	1.55084	13.13	1216	984.62	984.62	984.62	0.8096	0.927	Aman
2	W14X370	4.1	4.1	3.75	147.6	0.024	1.58961	1.58961	12.49	1158	1045.6	1045.6	1045.6	0.9033	0.927	Aman
1	W14X370	2.2	2.2	3.75	147.6	0.013	0.85296	0.85296	26.55	2460	1101.6	1101.6	1101.6	0.4478	0.565	Aman

KOLOM K2

Kolom Lantai	Profil	K		Lb		Ac			Fcr	$\phi_c P_n$	Pu			Pu / $\phi_c P_n$	Rasio	Cek Rasio Mu & Pu
		Kx	Ky	(m)	(in)	λ_{cx}	λ_{cy}	λ_{c} Pakai			Pux	Puy	Pu pakai			
20	W14X176	2.2	2.2	3.75	147.6	0.023	0.90613	0.90613	25.53	1124	21.998	22.258	22.258	0.0198	0.374	Aman
19	W14X233	2.75	2.9	3.75	147.6	0.028	1.17249	1.17249	20.25	1179	83.243	83.863	83.863	0.0711	0.346	Aman
18	W14X257	2.8	3	3.75	147.6	0.028	1.20312	1.20312	19.64	1262	144.82	145.85	145.85	0.1156	0.336	Aman
17	W14X257	2.9	3.1	3.75	147.6	0.082	1.24322	1.24322	18.85	1211	206.4	207.84	207.84	0.1716	0.364	Aman
16	W14X283	2.95	3.1	3.75	147.6	0.029	1.23515	1.23515	19.01	1346	268.44	270.31	270.31	0.2008	0.423	Aman
15	W14X283	3	3.2	3.75	147.6	0.03	1.27499	1.27499	18.23	1291	330.5	332.93	332.93	0.2579	0.48	Aman
14	W14X283	3	3.2	3.75	147.6	0.082	1.27499	1.27499	18.23	1291	392.52	395.52	395.52	0.3064	0.528	Aman
13	W14X283	3	3.2	3.75	147.6	0.029	1.27499	1.27499	18.23	1291	454.55	458.07	458.07	0.3549	0.577	Aman
12	W14X311	2.9	3.3	3.75	147.6	0.028	1.30255	1.30255	17.7	1375	517	521.02	521.02	0.379	0.598	Aman
11	W14X311	2.9	3.3	3.75	147.6	0.064	1.30255	1.30255	17.7	1375	579.48	583.96	583.96	0.4247	0.644	Aman
10	W14X311	2.9	3.3	3.75	147.6	0.028	1.30255	1.30255	17.7	1375	641.9	646.86	646.86	0.4705	0.689	Aman
9	W14X311	2.9	3.41	3.75	147.6	0.063	1.34597	1.34597	16.87	1310	704.26	709.7	709.7	0.5416	0.761	Aman
8	W14X342	2.9	3.5	3.75	147.6	0.05	1.36965	1.36965	16.42	1409	767.11	772.99	772.99	0.5484	0.76	Aman
7	W14X342	2.9	3.5	3.75	147.6	0.026	1.36965	1.36965	16.42	1409	829.96	836.22	836.22	0.5933	0.805	Aman
6	W14X342	2.9	3.5	3.75	147.6	0.05	1.36965	1.36965	16.42	1409	892.67	899.26	899.26	0.638	0.849	Aman
5	W14X342	3	3.5	3.75	147.6	0.027	1.36965	1.36965	16.42	1409	955.32	962.19	962.19	0.6827	0.894	Aman
4	W14X426	3.2	3.4	3.75	147.6	0.036	1.29628	1.29628	17.82	1893	1018.2	1025.4	1025.4	0.5416	0.706	Aman
3	W14X426	3.3	3.7	3.75	147.6	0.055	1.41066	1.41066	15.65	1663	1081.2	1088.5	1088.5	0.6545	0.819	Aman
2	W14X426	3.3	3.6	3.75	147.6	0.124	1.37253	1.37253	16.36	1739	1144	1151.5	1151.5	0.6623	0.827	Aman
1	W14X426	1.9	1.8	3.75	147.6	0.069	0.68627	0.68627	29.56	3141	1206.9	1214.3	1214.3	0.3866	0.551	Aman

KOLOM K3

Kolom Lantai	Profil	K		Lb		Ac			Fcr	$\phi_c P_n$	Pu			Pu / $\phi_c P_n$	Rasio	Cek Rasio Mu & Pu
		Kx	Ky	(m)	(in)	λ_{cx}	λ_{cy}	λ_{c} Pakai			Pux	Puy	Pu pakai			
20	W14X159	2.15	2.2	3.75	147.6	0.014	0.91066	0.91066	25.44	1010	20.525	20.525	20.525	0.0203	0.416	Aman
19	W14X211	2.5	2.8	3.75	147.6	0.016	1.13803	1.13803	20.94	1103	79.423	79.423	79.423	0.072	0.383	Aman
18	W14X233	2.8	2.9	3.75	147.6	0.018	1.17249	1.17249	20.25	1179	138.42	138.42	138.42	0.1174	0.368	Aman

17	W14X233	2.8	2.95	3.75	147.6	0.018	1.19271	1.19271	19.85	1156	197.39	197.39	197.39	0.1708	0.395	Aman
16	W14X257	2.8	3.1	3.75	147.6	0.018	1.24322	1.24322	18.85	1211	256.68	256.68	256.68	0.2119	0.459	Aman
15	W14X257	2.8	3.1	3.75	147.6	0.018	1.24322	1.24322	18.85	1211	316	316	316	0.2608	0.508	Aman
14	W14X257	2.8	3.1	3.75	147.6	0.018	1.24322	1.24322	18.85	1211	375.37	375.37	375.37	0.3099	0.557	Aman
13	W14X257	2.8	3.1	3.75	147.6	0.018	1.24322	1.24322	18.85	1211	434.82	434.82	434.82	0.3589	0.606	Aman
12	W14X283	2.8	3.15	3.75	147.6	0.017	1.25507	1.25507	18.62	1318	494.67	494.67	494.67	0.3752	0.619	Aman
11	W14X283	2.8	3.2	3.75	147.6	0.017	1.27499	1.27499	18.23	1291	554.58	554.58	554.58	0.4296	0.673	Aman
10	W14X283	2.8	3.2	3.75	147.6	0.017	1.27499	1.27499	18.23	1291	614.6	614.6	614.6	0.4761	0.719	Aman
9	W14X283	2.8	3.25	3.75	147.6	0.017	1.29491	1.29491	17.84	1263	674.73	674.73	674.73	0.534	0.777	Aman
8	W14X311	2.8	3.3	3.75	147.6	0.017	1.30255	1.30255	17.7	1375	735.38	735.38	735.38	0.5349	0.77	Aman
7	W14X311	2.8	3.3	3.75	147.6	0.017	1.30255	1.30255	17.7	1375	796.18	796.18	796.18	0.5791	0.814	Aman
6	W14X311	2.8	3.3	3.75	147.6	0.017	1.30255	1.30255	17.7	1375	857.12	857.12	857.12	0.6234	0.859	Aman
5	W14X311	2.95	3.3	3.75	147.6	0.018	1.30255	1.30255	17.7	1375	918.24	918.24	918.24	0.6679	0.903	Aman
4	W14X426	3.2	3.5	3.75	147.6	0.019	1.33441	1.33441	17.09	1815	980.08	980.08	980.08	0.5399	0.704	Aman
3	W14X426	3.3	3.5	3.75	147.6	0.019	1.33441	1.33441	17.09	1815	1042	1042	1042	0.574	0.738	Aman
2	W14X426	3.3	3.5	3.75	147.6	0.019	1.33441	1.33441	17.09	1815	1104.2	1104.2	1104.2	0.6082	0.773	Aman
1	W14X426	2	2	3.75	147.6	0.012	0.76252	0.76252	28.22	2999	1166.4	1166.4	1166.4	0.3889	0.553	Aman

KOLOM K4

Kolom Lantai	Profil	K		Lb		Ac			Fcr (ksi)	φcPn (ksi)	Pu			Pu / φcPn	Rasio	Cek Rasio Mu&Pu
		Kx	Ky	(m)	(in)	Acx	Acy	Ac Pakal			Pux	Puy	Pu pakal			
20	W14X159	2.55	1.6	3.75	147.6	0.017	0.6623	0.6623	29.96	1189	24.689	24.689	24.689	0.0208	0.458	Aman
19	W14X193	2.7	2	3.75	147.6	0.017	0.81836	0.81836	27.2	1313	92.289	92.289	92.289	0.0703	0.44	Aman
18	W14X311	3	2.5	3.75	147.6	0.018	0.98678	0.98678	23.95	1861	165.26	165.26	165.26	0.0888	0.296	Aman
17	W14X311	3.1	2.6	3.75	147.6	0.019	1.02625	1.02625	23.17	1800	240.28	240.28	240.28	0.1335	0.319	Aman
16	W14X342	3.1	2.7	3.75	147.6	0.019	1.05659	1.05659	22.56	1937	319.9	319.9	319.9	0.1652	0.315	Aman
15	W14X342	3.1	2.7	3.75	147.6	0.019	1.05659	1.05659	22.56	1937	401.51	401.51	401.51	0.2073	0.413	Aman
14	W14X342	3.1	2.7	3.75	147.6	0.019	1.05659	1.05659	22.56	1937	485.05	485.05	485.05	0.2504	0.456	Aman
13	W14X342	3.15	2.7	3.75	147.6	0.019	1.05659	1.05659	22.56	1937	570.08	570.08	570.08	0.2943	0.5	Aman
12	W14X342	3	2.8	3.75	147.6	0.018	1.09572	1.09572	21.78	1870	659.25	659.25	659.25	0.3526	0.571	Aman
11	W14X370	3.1	2.8	3.75	147.6	0.018	1.08559	1.08559	21.98	2037	749.57	749.57	749.57	0.368	0.567	Aman
10	W14X370	3.1	2.8	3.75	147.6	0.018	1.08559	1.08559	21.98	2037	841.04	841.04	841.04	0.4129	0.612	Aman
9	W14X370	3.1	2.8	3.75	147.6	0.018	1.08559	1.08559	21.98	2037	933.14	933.14	933.14	0.4582	0.658	Aman

8	W14X370	2.9	2.85	3.75	147.6	0.017	1.10497	1.10497	21.6	2001	1029.8	1029.8	1029.8	0.5147	0.728	Aman
7	W14X426	3.1	2.95	3.75	147.6	0.018	1.12471	1.12471	21.2	2253	1127	1127	1127	0.5003	0.682	Aman
6	W14X426	3.1	3	3.75	147.6	0.018	1.14378	1.14378	20.82	2212	1224.4	1224.4	1224.4	0.5535	0.735	Aman
5	W14X426	3.1	3	3.75	147.6	0.018	1.14378	1.14378	20.82	2212	1321.5	1321.5	1321.5	0.5974	0.779	Aman
4	W14X455	3	3	3.75	147.6	0.017	1.13703	1.13703	20.96	2387	1421.7	1421.7	1421.7	0.5956	0.775	Aman
3	W14X455	3	3	3.75	147.6	0.017	1.13703	1.13703	20.96	2387	1520.5	1520.5	1520.5	0.6371	0.817	Aman
2	W14X455	3	3	3.75	147.6	0.017	1.13703	1.13703	20.96	2387	1616.8	1616.8	1616.8	0.6774	0.857	Aman
1	W14X455	2	2	3.75	147.6	0.011	0.75802	0.75802	28.3	3224	1704.9	1704.9	1704.9	0.5288	0.709	Aman

KOLOM K5

Kolom Lantai	Profil	K		Lb		Ac			Fcr (ksi)	ΦcPn (Kips)	Pu			Pu / ΦcPn	Rasio	Cek Rasio Mu/φPu
		Kx	Ky	(m)	(in)	Acx	Acy	Ac Pakai			Pux	Puy	Pu pakai			
20	W14X211	2.45	1.85	3.75	147.6	0.016	0.75191	0.75191	28.41	1497	38.003	38.003	38.003	0.0254	0.49	Aman
19	W14X311	2.5	2.6	3.75	147.6	0.015	1.02625	1.02625	23.17	1800	131.31	131.31	131.31	0.073	0.402	Aman
18	W14X342	2.45	2.7	3.75	147.6	0.015	1.05659	1.05659	22.56	1937	224.25	224.25	224.25	0.1158	0.41	Aman
17	W14X342	2.45	2.75	3.75	147.6	0.015	1.07615	1.07615	22.17	1903	317.08	317.08	317.08	0.1666	0.435	Aman
16	W14X370	2.5	2.8	3.75	147.6	0.015	1.08559	1.08559	21.98	2037	409.73	409.73	409.73	0.2012	0.496	Aman
15	W14X370	2.5	2.85	3.75	147.6	0.015	1.08559	1.08559	21.98	2037	502.48	502.48	502.48	0.2467	0.54	Aman
14	W14X370	2.5	2.85	3.75	147.6	0.015	1.10497	1.10497	21.6	2001	595.5	595.5	595.5	0.2976	0.591	Aman
13	W14X370	2.45	2.85	3.75	147.6	0.015	1.10497	1.10497	21.6	2001	688.78	688.78	688.78	0.3442	0.638	Aman
12	W14X398	2.45	2.86	3.75	147.6	0.014	1.10015	1.10015	21.69	2157	782.37	782.37	782.37	0.3627	0.654	Aman
11	W14X398	2.5	2.9	3.75	147.6	0.015	1.11554	1.11554	21.38	2127	876.27	876.27	876.27	0.412	0.703	Aman
10	W14X398	2.5	2.9	3.75	147.6	0.015	1.11554	1.11554	21.38	2127	970.6	970.6	970.6	0.4564	0.748	Aman
9	W14X398	2.46	2.98	3.75	147.6	0.014	1.14631	1.14631	20.77	2066	1065.4	1065.4	1065.4	0.5158	0.807	Aman
8	W14X455	2.46	3	3.75	147.6	0.014	1.13703	1.13703	20.96	2387	1161.2	1161.2	1161.2	0.4865	0.758	Aman
7	W14X455	2.5	3	3.75	147.6	0.014	1.13703	1.13703	20.96	2387	1257.4	1257.4	1257.4	0.5268	0.799	Aman
6	W14X455	2.5	3	3.75	147.6	0.014	1.13703	1.13703	20.96	2387	1354	1354	1354	0.5673	0.839	Aman
5	W14X455	2.47	3	3.75	147.6	0.014	1.13703	1.13703	20.96	2387	1451.2	1451.2	1451.2	0.608	0.88	Aman
4	W14X500	2.46	3.1	3.75	147.6	0.014	1.16022	1.16022	20.49	2561	1549.5	1549.5	1549.5	0.6051	0.868	Aman
3	W14X500	2.47	3.2	3.75	147.6	0.014	1.19765	1.19765	19.75	2468	1648.3	1648.3	1648.3	0.6679	0.931	Aman
2	W14X500	2.5	3.2	3.75	147.6	0.014	1.19765	1.19765	19.75	2468	1747.7	1747.7	1747.7	0.7082	0.971	Aman
1	W14X500	1.75	2.1	3.75	147.6	0.01	0.78596	0.78596	27.8	3473	1847.9	1847.9	1847.9	0.532	0.795	Aman

KOLOM K6

Kolom Lantai	Profil	K		Lb		Kc			For	GoPa	Pu			Pu/ GoPa	Rasio	Cek Rasio Mu&Pu
		Kx	Ky	(m)	(in)	Kcx	Kcy	Kcz			Pax	Puy	Pu paksa			
									(Ksi)	(Kipe)	(Kipe)					
20	W14X211	2.1	2.3	3.75	147.6	0.013	0.93481	0.93481	24.97	1316	39.813	39.813	39.813	0.0303	0.441	Aman
19	W14X311	2.46	2.6	3.75	147.6	0.015	1.02625	1.02625	23.17	1800	136.29	136.29	136.29	0.0757	0.372	Aman
18	W14X370	2.55	2.7	3.75	147.6	0.015	1.04682	1.04682	22.76	2108	233.7	233.7	233.7	0.1108	0.351	Aman
17	W14X370	2.55	2.8	3.75	147.6	0.015	1.08559	1.08559	21.98	2037	331.07	331.07	331.07	0.1626	0.376	Aman
16	W14X398	2.55	2.8	3.75	147.6	0.015	1.07707	1.07707	22.15	2203	428.82	428.82	428.82	0.1946	0.379	Aman
15	W14X398	2.55	2.9	3.75	147.6	0.015	1.11554	1.11554	21.38	2127	526.5	526.5	526.5	0.2476	0.496	Aman
14	W14X398	2.55	2.9	3.75	147.6	0.015	1.11554	1.11554	21.38	2127	624.14	624.14	624.14	0.2935	0.542	Aman
13	W14X398	2.55	2.9	3.75	147.6	0.015	1.11554	1.11554	21.38	2127	721.72	721.72	721.72	0.3394	0.588	Aman
12	W14X426	2.5	2.9	3.75	147.6	0.014	1.10565	1.10565	21.58	2293	819.79	819.79	819.79	0.3575	0.607	Aman
11	W14X426	2.5	3	3.75	147.6	0.014	1.14378	1.14378	20.82	2212	917.76	917.76	917.76	0.4149	0.664	Aman
10	W14X426	2.5	3	3.75	147.6	0.014	1.14378	1.14378	20.82	2212	1015.7	1015.7	1015.7	0.4591	0.708	Aman
9	W14X426	2.5	3	3.75	147.6	0.014	1.14378	1.14378	20.82	2212	1113.5	1113.5	1113.5	0.5033	0.753	Aman
8	W14X455	2.48	3	3.75	147.6	0.014	1.13703	1.13703	20.96	2387	1211.8	1211.8	1211.8	0.5077	0.761	Aman
7	W14X455	2.5	3	3.75	147.6	0.014	1.13703	1.13703	20.96	2387	1310.1	1310.1	1310.1	0.5489	0.803	Aman
6	W14X455	2.5	3	3.75	147.6	0.014	1.13703	1.13703	20.96	2387	1408.6	1408.6	1408.6	0.5901	0.844	Aman
5	W14X455	2.5	3.1	3.75	147.6	0.014	1.17493	1.17493	20.2	2301	1507.3	1507.3	1507.3	0.6551	0.909	Aman
4	W14X500	2.48	3.1	3.75	147.6	0.014	1.16022	1.16022	20.49	2561	1606.9	1606.9	1606.9	0.6275	0.874	Aman
3	W14X500	2.48	3.2	3.75	147.6	0.014	1.19765	1.19765	19.75	2468	1706.6	1706.6	1706.6	0.6916	0.938	Aman
2	W14X500	2.46	3.2	3.75	147.6	0.014	1.19765	1.19765	19.75	2468	1806.5	1806.5	1806.5	0.732	0.978	Aman
1	W14X500	1.75	2.1	3.75	147.6	0.01	0.78596	0.78596	27.8	3473	1906.7	1906.7	1906.7	0.5489	0.795	Aman

Tabel Perhitungan desain Kolom Struktur BOF

KOLOM K1

Kolom Lantai	Profil	K		Lb		Ac			For	QcPn	Pa		Pu	Pa / QcPn	Ratio	Cek Rasio Mu&Pu
		Kx	Ky	(m)	(in)	Acx	Acy	Ac			Pux	Puy				
20	W14X90	0.95	0.92	3.75	148	0.01	0.4124	0.41236	33.53	755.2	44.393	44.393	44.39	0.0588	0.46	Aman
19	W14X90	0.96	0.94	3.75	148	0.01	0.4213	0.42132	33.42	752.8	123.54	123.54	123.54	0.1641	0.52	Aman
18	W14X90	0.965	0.95	3.75	148	0.01	0.4276	0.4276	33.35	751.2	163.81	163.81	163.8	0.2181	0.6	Aman
17	W14X90	0.957	0.95	3.75	148	0.01	0.4276	0.4276	33.35	751.2	204.19	204.19	204.2	0.2718	0.66	Aman
16	W14X109	0.959	0.96	3.75	148	0.01	0.4233	0.42329	33.4	908.5	245.55	245.55	245.5	0.2703	0.61	Aman
15	W14X109	0.947	0.96	3.75	148	0.01	0.4237	0.42374	33.39	908.3	286.96	286.96	287	0.3159	0.65	Aman
14	W14X109	0.947	0.96	3.75	148	0.01	0.4237	0.42374	33.39	908.3	328.32	328.32	328.3	0.3615	0.7	Aman
13	W14X109	0.952	0.96	3.75	148	0.01	0.4237	0.42374	33.39	908.3	369.65	369.65	369.7	0.407	0.75	Aman
12	W14X132	0.945	0.96	3.75	148	0.01	0.4218	0.42184	33.42	1102	411.46	411.46	411.5	0.3734	0.65	Aman
11	W14X132	0.951	0.96	3.75	148	0.01	0.4218	0.42184	33.42	1102	453.29	453.29	453.3	0.4113	0.69	Aman
10	W14X132	0.951	0.96	3.75	148	0.01	0.4223	0.42229	33.41	1102	498.25	498.25	498.3	0.4522	0.73	Aman
9	W14X132	0.945	0.96	3.75	148	0.01	0.4223	0.42229	33.41	1102	631.67	631.67	631.7	0.5733	0.85	Aman
8	W14X145	0.946	0.96	3.75	148	0.01	0.399	0.39899	33.68	1222	673.9	673.9	673.9	0.5513	0.81	Aman
7	W14X145	0.953	0.96	3.75	148	0.01	0.3994	0.3994	33.67	1222	716.12	716.12	716.1	0.5859	0.84	Aman
6	W14X145	0.954	0.96	3.75	148	0.01	0.3994	0.3994	33.67	1222	758.25	758.25	758.3	0.6204	0.88	Aman
5	W14X145	0.953	0.96	3.75	148	0.01	0.3998	0.39982	33.67	1222	800.09	800.09	800.1	0.6547	0.91	Aman
4	W14X159	0.954	0.96	3.75	148	0.01	0.3978	0.39779	33.69	1337	842.05	842.05	842.1	0.6296	0.88	Aman
3	W14X159	0.961	0.96	3.75	148	0.01	0.3982	0.39821	33.69	1337	883.78	883.78	883.8	0.6609	0.91	Aman
2	W14X159	0.961	0.96	3.75	148	0.01	0.3986	0.39862	33.68	1337	925.2	925.2	925.2	0.692	0.94	Aman
1	W14X159	0.855	0.85	3.75	148	0.01	0.3502	0.35019	34.2	1358	966.26	966.26	966.3	0.7118	0.96	Aman

KOLOM K2

Kolom Lantai	Profil	K		Lb		Ac			Fcr	$\phi_c P_n$	Pn		Pu / $\phi_c P_n$	Rasio	Cek Rasio Mu & Pu
		Kz	Ky	(m)	(in)	Acx	Acy	Ac Palkai			Pux	Pu palkai			
20	W14X99	0.957	0.89	3.75	148	0.01	0.3967	0.39668	33.71	833.7	5.718	5.718	0.0069	0.54	Aman
19	W14X109	0.948	0.91	3.75	148	0.01	0.4033	0.40335	33.63	914.7	93.393	93.39	0.1021	0.59	Aman
18	W14X109	0.94	0.91	3.75	148	0.01	0.4033	0.40335	33.63	914.7	153.23	153.2	0.1675	0.62	Aman
17	W14X109	0.945	0.91	3.75	148	0.01	0.4038	0.40379	33.63	914.6	212.99	213	0.2329	0.71	Aman
16	W14X120	0.955	0.91	3.75	148	0.01	0.4026	0.40257	33.64	1009	273.36	273.4	0.2708	0.75	Aman
15	W14X120	0.957	0.91	3.75	148	0.01	0.4026	0.40257	33.64	1009	333.77	333.8	0.3307	0.81	Aman
14	W14X120	0.957	0.91	3.75	148	0.01	0.4035	0.40346	33.63	1009	394.26	394.3	0.3907	0.87	Aman
13	W14X120	0.945	0.91	3.75	148	0.01	0.4039	0.4039	33.62	1009	454.84	454.8	0.4508	0.93	Aman
12	W14X145	0.945	0.91	3.75	148	0.01	0.3803	0.38027	33.89	1230	515.95	515.9	0.4195	0.8	Aman
11	W14X145	0.947	0.91	3.75	148	0.01	0.3803	0.38027	33.89	1230	577.07	577.1	0.4692	0.85	Aman
10	W14X145	0.947	0.91	3.75	148	0.01	0.3803	0.38027	33.89	1230	574.53	574.5	0.4671	0.85	Aman
9	W14X145	0.946	0.92	3.75	148	0.01	0.3807	0.38068	33.88	1230	726.02	726	0.5904	0.97	Aman
8	W14X176	0.946	0.92	3.75	148	0.01	0.3777	0.37769	33.91	1493	788.58	788.6	0.5281	0.86	Aman
7	W14X176	0.95	0.96	3.75	148	0.01	0.3933	0.39334	33.74	1486	851.06	851.1	0.5728	0.91	Aman
6	W14X176	0.95	0.96	3.75	148	0.01	0.3933	0.39334	33.74	1486	913.5	913.5	0.6149	0.95	Aman
5	W14X176	0.951	0.96	3.75	148	0.01	0.3954	0.3954	33.72	1485	975.87	975.9	0.6573	0.99	Aman
4	W14X257	0.952	0.96	3.75	148	0.01	0.385	0.385	33.83	2174	1038.6	1039	0.4777	0.72	Aman
3	W14X257	0.952	0.96	3.75	148	0.01	0.385	0.385	33.83	2174	1101.4	1101.4	0.5066	0.75	Aman
2	W14X257	0.951	0.96	3.75	148	0.01	0.385	0.385	33.83	2174	1164.2	1164	0.5354	0.77	Aman
1	W14X257	0.845	1.9	3.75	148	0.01	0.762	0.76197	28.23	1814	1227	1227	0.6763	0.92	Aman

KOLOM K3

KOLOM K3

Kolom Lantai	Profil	K			Lb		Ac			Fcr	QcPn	Pu		Pu pakai	Pu / QcPn	Rasio	Cek Rasio Mu&Pu
		Kx	Ky	(m)	(in)	Acx	Acy	Ac	(Kips)			(Kips)					
													(Kips)				
20	W14X159	0.925	0.95	3.75	148	0.01	0.3932	0.39324	33.74	1339	15.512	15.512	15.51	0.0116	0.32	Aman	
19	W14X176	0.93	0.95	3.75	148	0.01	0.3921	0.39211	33.76	1486	71.073	71.073	71.07	0.0478	0.38	Aman	
18	W14X193	0.93	0.95	3.75	148	0.01	0.3899	0.38995	33.78	1631	131.67	131.67	131.7	0.0807	0.36	Aman	
17	W14X193	0.915	0.95	3.75	148	0.01	0.3899	0.38995	33.78	1631	192.22	192.22	192.2	0.1179	0.38	Aman	
16	W14X211	0.918	0.95	3.75	148	0.01	0.3873	0.38734	33.81	1782	252.98	252.98	253	0.142	0.39	Aman	
15	W14X211	0.92	0.95	3.75	148	0.01	0.3877	0.38774	33.8	1781	313.7	313.7	313.7	0.1761	0.41	Aman	
14	W14X211	0.92	0.96	3.75	148	0.01	0.3882	0.38815	33.8	1781	374.38	374.38	374.4	0.2102	0.5	Aman	
13	W14X211	0.918	0.96	3.75	148	0.01	0.3882	0.38815	33.8	1781	434.99	434.99	435	0.2442	0.53	Aman	
12	W14X233	0.917	0.96	3.75	148	0.01	0.3861	0.38611	33.82	1969	495.94	495.94	495.9	0.2518	0.51	Aman	
11	W14X233	0.921	0.96	3.75	148	0.01	0.3865	0.38652	33.82	1969	556.84	556.84	556.8	0.2828	0.54	Aman	
10	W14X233	0.921	0.96	3.75	148	0.01	0.3865	0.38652	33.82	1969	556.96	556.96	557	0.2829	0.54	Aman	
9	W14X233	0.917	0.96	3.75	148	0.01	0.3865	0.38652	33.82	1969	649.62	649.62	649.6	0.3299	0.59	Aman	
8	W14X257	0.912	0.96	3.75	148	0.01	0.3838	0.38379	33.85	2175	710.6	710.6	710.6	0.3267	0.58	Aman	
7	W14X257	0.912	0.96	3.75	148	0.01	0.3838	0.38379	33.85	2175	771.62	771.62	771.6	0.3548	0.61	Aman	
6	W14X257	0.912	0.96	3.75	148	0.01	0.3842	0.38419	33.84	2175	832.69	832.69	832.7	0.3829	0.64	Aman	
5	W14X257	0.91	0.96	3.75	148	0.01	0.3846	0.3846	33.84	2174	893.81	893.81	893.8	0.411	0.66	Aman	
4	W14X283	0.913	0.96	3.75	148	0.01	0.3817	0.3817	33.87	2398	955.43	955.43	955.4	0.3984	0.64	Aman	
3	W14X283	0.921	0.96	3.75	148	0.01	0.3821	0.3821	33.87	2398	1017.1	1017.1	1017	0.4242	0.67	Aman	
2	W14X283	0.922	0.96	3.75	148	0.01	0.3825	0.3825	33.86	2398	1078.9	1078.9	1079	0.45	0.69	Aman	
1	W14X283	0.845	0.85	3.75	148	0.01	0.3395	0.33947	34.3	2429	1140.6	1140.6	1141	0.4696	0.71	Aman	

KOLOM K4

Kolom Lantai	Profil	K			Lb			Ac			Ec	QcPn	Pu			Pu/ QcPn	Rasio	Cat. Rasio Mutu Pu
		Kx	Ky	(in)	(m)	(in)	(m)	AcX	AcY	Ac Pakeit			PuX	PuY	Pu pakeit			
20	W14X99	0.92	0.85	3.75	3.75	148	148	0.01	0.3789	0.37885	33.9	838.5	26.095	26.095	26.1	0.0311	0.66	Aman
19	W14X109	0.925	0.92	3.75	3.75	148	148	0.01	0.4056	0.40556	33.6	914.1	98.575	98.575	98.58	0.1078	0.65	Aman
18	W14X109	0.9273	0.92	3.75	3.75	148	148	0.01	0.406	0.40601	33.6	913.9	161.52	161.52	161.5	0.1767	0.68	Aman
17	W14X109	0.94	0.92	3.75	3.75	148	148	0.01	0.4065	0.40645	33.59	913.8	224.69	224.69	224.7	0.2459	0.77	Aman
16	W14X120	0.94	0.92	3.75	3.75	148	148	0.01	0.407	0.407	33.59	1008	288.84	288.84	288.8	0.2866	0.79	Aman
15	W14X120	0.946	0.92	3.75	3.75	148	148	0.01	0.4074	0.40744	33.58	1008	353.09	353.09	353.1	0.3504	0.85	Aman
14	W14X120	0.946	0.92	3.75	3.75	148	148	0.01	0.4079	0.40788	33.58	1008	417.28	417.28	417.3	0.4142	0.92	Aman
13	W14X120	0.946	0.92	3.75	3.75	148	148	0.01	0.4083	0.40832	33.57	1007	481.52	481.52	481.5	0.478	0.98	Aman
12	W14X159	0.943	0.93	3.75	3.75	148	148	0.01	0.385	0.38496	33.83	1343	546.62	546.62	546.6	0.407	0.76	Aman
11	W14X159	0.942	0.94	3.75	3.75	148	148	0.01	0.3891	0.3891	33.79	1341	611.83	611.83	611.8	0.4562	0.81	Aman
10	W14X159	0.941	0.94	3.75	3.75	148	148	0.01	0.3891	0.3891	33.79	1341	642.48	642.48	642.5	0.479	0.84	Aman
9	W14X159	0.939	0.94	3.75	3.75	148	148	0.01	0.3891	0.3891	33.79	1341	757.25	757.25	757.2	0.5646	0.92	Aman
8	W14X193	0.936	0.95	3.75	3.75	148	148	0.01	0.3867	0.38668	33.82	1633	823.13	823.13	823.1	0.5042	0.81	Aman
7	W14X193	0.947	0.95	3.75	3.75	148	148	0.01	0.3887	0.38872	33.79	1632	888.76	888.76	888.8	0.5447	0.85	Aman
6	W14X193	0.947	0.95	3.75	3.75	148	148	0.01	0.3891	0.38913	33.79	1631	954.14	954.14	954.1	0.5849	0.89	Aman
5	W14X193	0.945	0.95	3.75	3.75	148	148	0.01	0.3899	0.38995	33.78	1631	1019	1019	1019	0.6248	0.93	Aman
4	W14X257	0.935	0.95	3.75	3.75	148	148	0.01	0.3826	0.38259	33.86	2176	1084.1	1084.1	1084	0.4983	0.73	Aman
3	W14X257	0.935	0.95	3.75	3.75	148	148	0.01	0.3826	0.38259	33.86	2176	1149	1149	1149	0.5281	0.76	Aman
2	W14X257	0.935	0.96	3.75	3.75	148	148	0.01	0.3834	0.38339	33.85	2175	1213.4	1213.4	1213	0.5578	0.79	Aman
1	W14X257	0.85	0.86	3.75	3.75	148	148	0.01	0.3449	0.34489	34.25	2201	1277.4	1277.4	1277	0.5803	0.81	Aman

KOLOM K5

Kolom Lantai	Profil	K			Lb			Ac			Fcr (ksi)	φ _c P _n (kip)	Pu			Pu / φ _c P _n	Ratio	Cek Ratio Mn/φ _c P _n
		Kx	Ky	(m)	(m)	(m)	(m)	Acx	Acy	Ac Faktal			Pu _x	Pu _y	Pu faktal			
20	W14X193	0.915	0.92	3.75	148	0.01	0.3744	0.01	0.3744	0.3744	33.95	1639	32.434	32.434	32.43	0.0198	0.38	Aman
19	W14X211	0.92	0.93	3.75	148	0.01	0.378	0.01	0.378	0.37799	33.91	1787	112.72	112.72	112.7	0.0631	0.44	Aman
18	W14X211	0.925	0.95	3.75	148	0.01	0.3841	0.01	0.3841	0.38409	33.84	1784	211.59	211.59	211.6	0.1186	0.46	Aman
17	W14X211	0.93	0.95	3.75	148	0.01	0.3861	0.01	0.3861	0.38612	33.82	1782	310.53	310.53	310.5	0.1742	0.49	Aman
16	W14X233	0.93	0.96	3.75	148	0.01	0.3865	0.01	0.3865	0.38652	33.82	1969	409.78	409.78	409.8	0.2081	0.55	Aman
15	W14X233	0.94	0.96	3.75	148	0.01	0.3869	0.01	0.3869	0.38692	33.81	1969	508.88	508.88	508.9	0.2585	0.6	Aman
14	W14X233	0.94	0.96	3.75	148	0.01	0.3869	0.01	0.3869	0.38692	33.81	1969	607.99	607.99	608	0.3088	0.65	Aman
13	W14X233	0.935	0.96	3.75	148	0.01	0.3869	0.01	0.3869	0.38692	33.81	1969	707.09	707.09	707.1	0.3592	0.7	Aman
12	W14X257	0.935	0.96	3.75	148	0.01	0.3842	0.01	0.3842	0.38419	33.84	2175	806.68	806.68	806.7	0.3709	0.68	Aman
11	W14X257	0.935	0.96	3.75	148	0.01	0.3846	0.01	0.3846	0.3846	33.84	2174	906.39	906.39	906.4	0.4168	0.73	Aman
10	W14X257	0.935	0.96	3.75	148	0.01	0.3846	0.01	0.3846	0.3846	33.84	2174	979.36	979.36	979.4	0.4504	0.76	Aman
9	W14X257	0.93	0.96	3.75	148	0.01	0.3846	0.01	0.3846	0.3846	33.84	2174	1082.2	1082.2	1082	0.4977	0.81	Aman
8	W14X311	0.925	0.96	3.75	148	0.01	0.3789	0.01	0.3789	0.37892	33.9	2634	1182.3	1182.3	1182	0.4489	0.72	Aman
7	W14X311	0.93	0.96	3.75	148	0.01	0.3793	0.01	0.3793	0.37932	33.9	2633	1282.5	1282.5	1283	0.487	0.76	Aman
6	W14X311	0.935	0.96	3.75	148	0.01	0.3793	0.01	0.3793	0.37932	33.9	2633	1382.9	1382.9	1383	0.5251	0.79	Aman
5	W14X311	0.93	0.96	3.75	148	0.01	0.3797	0.01	0.3797	0.37971	33.89	2633	1483.3	1483.3	1483	0.5634	0.83	Aman
4	W14X370	0.915	0.96	3.75	148	0.01	0.3734	0.01	0.3734	0.37337	33.96	3146	1585	1585	1585	0.5038	0.74	Aman
3	W14X370	0.92	0.96	3.75	148	0.01	0.3738	0.01	0.3738	0.37375	33.96	3146	1686.6	1686.6	1687	0.5361	0.77	Aman
2	W14X370	0.935	0.97	3.75	148	0.01	0.3741	0.01	0.3741	0.37414	33.95	3146	1788	1788	1788	0.5684	0.8	Aman
1	W14X370	0.85	0.85	3.75	148	0.01	0.3296	0.01	0.3296	0.32955	34.4	3187	1889.5	1889.5	1889	0.5928	0.83	Aman

KOLOM K6

No	Kedua Lantai	Profil	K		Lb		Jc				For	scPa	Pu			Pu / scPa	Rasio	Cat Rasio Mu8Pa
			Kx	Ky	(m)	(cm)	Jcx	Jcy	Jc	Pakai			Pux	Puy	Pu pakai			
20		W14X193	0.89	0.89	3.75	148	0.01	0.3642	0.36417	34.06	1644	36.97	36.97	36.97	36.97	0.0225	0.38	Aman
19		W14X211	0.91	0.9	3.75	148	0.01	0.3658	0.3658	34.04	1794	130.1	130.1	130.1	130.1	0.0725	0.44	Aman
18		W14X211	0.912	0.91	3.75	148	0.01	0.3699	0.36986	34	1792	223.65	223.65	223.65	223.6	0.1248	0.46	Aman
17		W14X211	0.917	0.94	3.75	148	0.01	0.3821	0.38205	33.87	1785	317.28	317.28	317.28	317.3	0.1778	0.49	Aman
16		W14X233	0.92	0.95	3.75	148	0.01	0.3841	0.38409	33.84	1971	411.4	411.4	411.4	411.4	0.2088	0.55	Aman
15		W14X233	0.92	0.95	3.75	148	0.01	0.3841	0.38409	33.84	1971	505.62	505.62	505.62	505.6	0.2566	0.6	Aman
14		W14X233	0.92	0.95	3.75	148	0.01	0.3841	0.38409	33.84	1971	599.98	599.98	599.98	600	0.3045	0.65	Aman
13		W14X233	0.919	0.95	3.75	148	0.01	0.3845	0.3845	33.84	1970	694.5	694.5	694.5	694.5	0.3525	0.7	Aman
12		W14X257	0.915	0.95	3.75	148	0.01	0.3822	0.38219	33.86	2176	789.42	789.42	789.42	789.4	0.3628	0.67	Aman
11		W14X257	0.91	0.95	3.75	148	0.01	0.3822	0.38219	33.86	2176	884.46	884.46	884.46	884.5	0.4064	0.72	Aman
10		W14X257	0.91	0.95	3.75	148	0.01	0.3822	0.38219	33.86	2176	979.66	979.66	979.66	979.7	0.4502	0.76	Aman
9		W14X257	0.91	0.95	3.75	148	0.01	0.3826	0.38259	33.86	2176	1075.1	1075.1	1075.1	1075	0.4941	0.8	Aman
8		W14X311	0.91	0.95	3.75	148	0.01	0.3766	0.37656	33.93	2636	1170.7	1170.7	1170.7	1171	0.4442	0.71	Aman
7		W14X311	0.925	0.96	3.75	148	0.01	0.377	0.37695	33.92	2635	1266.6	1266.6	1266.6	1267	0.4806	0.75	Aman
6		W14X311	0.925	0.96	3.75	148	0.01	0.377	0.37695	33.92	2635	1362.8	1362.8	1362.8	1363	0.5171	0.79	Aman
5		W14X311	0.92	0.96	3.75	148	0.01	0.377	0.37695	33.92	2635	1459.2	1459.2	1459.2	1459	0.5537	0.82	Aman
4		W14X370	0.92	0.96	3.75	148	0.01	0.3707	0.37065	33.99	3149	1556.1	1556.1	1556.1	1556	0.4942	0.73	Aman
3		W14X370	0.92	0.96	3.75	148	0.01	0.371	0.37104	33.98	3149	1653.7	1653.7	1653.7	1654	0.5252	0.76	Aman
2		W14X370	0.92	0.96	3.75	148	0.01	0.371	0.37104	33.98	3149	1751.9	1751.9	1751.9	1752	0.5564	0.79	Aman
1		W14X370	0.845	0.86	3.75	148	0.01	0.3334	0.33343	34.36	3184	1850.9	1850.9	1850.9	1851	0.5813	0.82	Aman

Tabel Perhitungan desain Kolom Struktur Global Brace

KOLOM K1

Kolom Lantai	Profil	K		Lb		Ac			Fcr	$\phi_c P_n$	Pu		Pu / $\phi_c P_n$	Rasio	Cek Rasio Maka Pu
		Kx	Ky	(m)	(in)	Acx	Acy	Ac			Pu _x	Pu _y			
20	W14X82	0.95	0.92	3.75	148	0.007	0.614	0.61373	30.749	627.3	29.42	29.423	0.0469	0.67	Aman
19	W14X90	0.96	0.94	3.75	148	0.007	0.421	0.42132	33.422	752.8	67.05	67.048	0.0891	0.39	Aman
18	W14X90	0.965	0.95	3.75	148	0.007	0.428	0.4276	33.348	751.2	107.1	107.07	0.1425	0.42	Aman
17	W14X90	0.957	0.95	3.75	148	0.007	0.428	0.4276	33.348	751.2	146.7	146.69	0.1953	0.44	Aman
16	W14X99	0.959	0.96	3.75	148	0.007	0.426	0.42565	33.371	825.4	264.4	264.38	0.3203	0.63	Aman
15	W14X99	0.947	0.96	3.75	148	0.006	0.426	0.4261	33.366	825.3	303.3	303.26	0.3675	0.67	Aman
14	W14X99	0.947	0.96	3.75	148	0.006	0.426	0.4261	33.366	825.3	341.9	341.94	0.4143	0.72	Aman
13	W14X99	0.952	0.96	3.75	148	0.006	0.426	0.4261	33.366	825.3	380.9	380.9	0.4615	0.77	Aman
12	W14X120	0.945	0.96	3.75	148	0.006	0.423	0.42337	33.398	1002	540.6	540.63	0.5395	0.79	Aman
11	W14X120	0.951	0.96	3.75	148	0.006	0.423	0.42337	33.398	1002	580.3	580.31	0.5791	0.83	Aman
10	W14X120	0.951	0.96	3.75	148	0.006	0.424	0.42381	33.393	1002	619.6	619.63	0.6184	0.87	Aman
9	W14X120	0.945	0.96	3.75	148	0.006	0.424	0.42381	33.393	1002	659.2	659.17	0.6579	0.91	Aman
8	W14X159	0.946	0.96	3.75	148	0.006	0.397	0.39696	33.702	1338	842.2	842.24	0.6296	0.83	Aman
7	W14X159	0.953	0.96	3.75	148	0.006	0.397	0.39738	33.698	1338	882.9	882.9	0.66	0.86	Aman
6	W14X159	0.954	0.96	3.75	148	0.006	0.397	0.39738	33.698	1338	923.2	923.22	0.6902	0.89	Aman
5	W14X159	0.953	0.96	3.75	148	0.006	0.398	0.39779	33.693	1337	963.8	963.75	0.7206	0.92	Aman
4	W14X193	0.954	0.96	3.75	148	0.006	0.393	0.39322	33.744	1629	1173	1173.2	0.7201	0.89	Aman
3	W14X193	0.961	0.96	3.75	148	0.006	0.394	0.39363	33.739	1629	1215	1215	0.7459	0.92	Aman
2	W14X193	0.961	0.96	3.75	148	0.006	0.394	0.39404	33.735	1629	1257	1256.7	0.7716	0.94	Aman
1	W14X193	0.855	0.85	3.75	148	0.006	0.346	0.34617	34.239	1653	1298	1298.1	0.7853	0.99	Aman

KOLOM K2

Kotam Lantai	Profil	K		Lb		Ac			Fcr	ScFs	Pu		Pu / ScFs	Rasio Mu/ScFs	Cat Rasio Mu/ScFs
		Kx	Ky	(m)	(m)	Acx	Acy	Ac Paktal			Pu	Pu Paktal			
									(ksi)	(Kips)			(Kips)		
20	W14X109	0.957	0.89	3.75	148	0.006	0.394	0.39448	33.73	917.5	22.29	21.37	22.29	0.0243	Aman
19	W14X120	0.948	0.91	3.75	148	0.006	0.403	0.40257	33.639	1009	86.23	89.431	89.431	0.0886	Aman
18	W14X120	0.94	0.91	3.75	148	0.006	0.403	0.40257	33.639	1009	146.8	149.79	149.79	0.1484	Aman
17	W14X120	0.945	0.91	3.75	148	0.006	0.403	0.40302	33.634	1009	198.4	202.97	202.97	0.2011	Aman
16	W14X132	0.955	0.91	3.75	148	0.006	0.401	0.40113	33.655	1110	260	264.43	264.43	0.2382	Aman
15	W14X132	0.957	0.91	3.75	148	0.006	0.401	0.40113	33.655	1110	329.8	335.81	335.81	0.3025	Aman
14	W14X132	0.957	0.91	3.75	148	0.006	0.402	0.40201	33.645	1110	391.3	397.14	397.14	0.3579	Aman
13	W14X132	0.945	0.91	3.75	148	0.006	0.402	0.40245	33.64	1109	454	461.12	461.12	0.4156	Aman
12	W14X159	0.945	0.91	3.75	148	0.006	0.378	0.37834	33.907	1346	516.5	523.46	523.46	0.3889	Aman
11	W14X159	0.947	0.91	3.75	148	0.006	0.378	0.37834	33.907	1346	594.9	603.22	603.22	0.4482	Aman
10	W14X159	0.947	0.91	3.75	148	0.006	0.378	0.37834	33.907	1346	657.1	657.99	657.99	0.4889	Aman
9	W14X159	0.946	0.92	3.75	148	0.006	0.379	0.37875	33.902	1346	731.3	741.88	741.88	0.5513	Aman
8	W14X193	0.946	0.92	3.75	148	0.006	0.375	0.37522	33.94	1639	795.4	805.84	805.84	0.4918	Aman
7	W14X193	0.95	0.96	3.75	148	0.006	0.391	0.39077	33.771	1630	884	895.39	895.39	0.5492	Aman
6	W14X193	0.95	0.96	3.75	148	0.006	0.391	0.39077	33.771	1630	947.3	958.56	958.56	0.5879	Aman
5	W14X193	0.951	0.96	3.75	148	0.006	0.393	0.39281	33.748	1629	1019	1030.9	1030.9	0.6327	Aman
4	W14X257	0.952	0.96	3.75	148	0.006	0.385	0.385	33.834	2174	1083	1094.6	1094.6	0.5035	Aman
3	W14X257	0.952	0.96	3.75	148	0.006	0.385	0.385	33.834	2174	1163	1175.5	1175.5	0.5406	Aman
2	W14X257	0.951	0.96	3.75	148	0.006	0.385	0.385	33.834	2174	1225	1238.3	1238.3	0.5695	Aman
1	W14X257	0.845	1.9	3.75	148	0.005	0.762	0.76197	28.233	1814	1310	1322.7	1322.7	0.7291	Aman

KOLOM K3

Kolom Lantai	Profil	K		Lb		Ac			For	Qc-Pu	Pu		Pu/ Qc-Pu	Ratio	Cat. Ratio Mu&Pu
		Kx	Ky	(m)	(m)	Max	Axy	Ac Prakal			Flux	Pu prakt			
20	W14X145	0.925	0.95	3.75	148	0.006	0.395	0.39524	33.721	1224	21.56	21.557	0.0176	0.36	Aman
19	W14X176	0.93	0.95	3.75	148	0.006	0.392	0.39211	33.756	1486	81.95	81.945	0.0551	0.38	Aman
18	W14X176	0.93	0.95	3.75	148	0.006	0.393	0.39252	33.752	1486	119.8	119.79	0.0806	0.39	Aman
17	W14X176	0.915	0.95	3.75	148	0.006	0.393	0.39252	33.752	1486	180.6	180.63	0.1215	0.41	Aman
16	W14X193	0.918	0.95	3.75	148	0.006	0.39	0.38995	33.78	1631	241.6	241.64	0.1482	0.39	Aman
15	W14X193	0.92	0.95	3.75	148	0.006	0.39	0.39036	33.776	1631	302.6	302.62	0.1856	0.41	Aman
14	W14X193	0.92	0.96	3.75	148	0.006	0.391	0.39077	33.771	1630	336.5	336.53	0.2064	0.49	Aman
13	W14X193	0.918	0.96	3.75	148	0.006	0.391	0.39077	33.771	1630	397.6	397.57	0.2438	0.53	Aman
12	W14X211	0.917	0.96	3.75	148	0.006	0.388	0.38815	33.8	1781	458.9	458.86	0.2576	0.54	Aman
11	W14X211	0.921	0.96	3.75	148	0.006	0.389	0.38856	33.796	1781	520	520.03	0.292	0.58	Aman
10	W14X211	0.921	0.96	3.75	148	0.006	0.389	0.38856	33.796	1781	548.2	548.21	0.3078	0.59	Aman
9	W14X211	0.917	0.96	3.75	148	0.006	0.389	0.38856	33.796	1781	609.4	609.4	0.3422	0.63	Aman
8	W14X233	0.912	0.96	3.75	148	0.006	0.387	0.38692	33.813	1969	670.7	670.74	0.3407	0.62	Aman
7	W14X233	0.912	0.96	3.75	148	0.006	0.387	0.38692	33.813	1969	732	732.04	0.3718	0.65	Aman
6	W14X233	0.912	0.96	3.75	148	0.006	0.387	0.38733	33.809	1969	762.1	762.1	0.3871	0.67	Aman
5	W14X233	0.91	0.96	3.75	148	0.006	0.388	0.38773	33.805	1968	823.7	823.75	0.4185	0.7	Aman
4	W14X257	0.913	0.96	3.75	148	0.006	0.384	0.38419	33.843	2175	885.7	885.67	0.4072	0.68	Aman
3	W14X257	0.921	0.96	3.75	148	0.006	0.385	0.3846	33.839	2174	947.4	947.41	0.4357	0.71	Aman
2	W14X257	0.922	0.96	3.75	148	0.006	0.385	0.385	33.834	2174	996.9	996.92	0.4585	0.73	Aman
1	W14X257	0.845	0.85	3.75	148	0.005	0.342	0.34168	34.283	2203	1059	1059	0.4807	0.75	Aman

KOLOM K4

Kolom Lantai	Profil	K		Lb		Ac			F _{cr}	Φ _{cPn}	P _u			P _u / Φ _{cPn}	Rasio	Cat Rasio Mutu Pa
		K _x	K _y	(m)	(in)	Ac _x	Ac _y	Ac _{pakai}			Φ _{cPn}	P _{u_x}	P _{u_y}			
20	W14X90	0.92	0.85	3.75	148	0.006	0.381	0.38098	33.878	763.1	22.49	20.565	22.485	0.0295	0.72	Aman
19	W14X99	0.925	0.92	3.75	148	0.006	0.408	0.40782	33.579	830.6	86.04	86.15	86.15	0.1037	0.61	Aman
18	W14X99	0.927	0.92	3.75	148	0.006	0.408	0.40827	33.574	830.5	150	150.1	150.1	0.1807	0.65	Aman
17	W14X99	0.94	0.92	3.75	148	0.006	0.409	0.40871	33.569	830.3	214.7	214.71	214.71	0.2586	0.75	Aman
16	W14X109	0.94	0.92	3.75	148	0.006	0.408	0.40778	33.58	913.4	280.8	280.78	280.8	0.3074	0.75	Aman
15	W14X109	0.946	0.92	3.75	148	0.006	0.408	0.40822	33.575	913.2	346.7	346.68	346.75	0.3797	0.83	Aman
14	W14X109	0.946	0.92	3.75	148	0.006	0.409	0.40867	33.569	913.1	412.3	412.22	412.33	0.4516	0.9	Aman
13	W14X109	0.946	0.92	3.75	148	0.006	0.409	0.40911	33.564	913	478.4	478.29	478.44	0.5241	0.97	Aman
12	W14X145	0.943	0.93	3.75	148	0.006	0.387	0.38692	33.813	1227	546.2	545.99	546.17	0.445	0.78	Aman
11	W14X145	0.942	0.94	3.75	148	0.006	0.391	0.39108	33.768	1226	613.4	613.19	613.39	0.5005	0.84	Aman
10	W14X145	0.941	0.94	3.75	148	0.006	0.391	0.39108	33.768	1226	679.9	641.77	679.87	0.5547	0.89	Aman
9	W14X145	0.939	0.94	3.75	148	0.006	0.391	0.39108	33.768	1226	746.7	742.32	746.72	0.6093	0.95	Aman
8	W14X193	0.936	0.95	3.75	148	0.006	0.387	0.38668	33.816	1633	815.3	810.86	815.31	0.4994	0.77	Aman
7	W14X193	0.947	0.95	3.75	148	0.006	0.389	0.38872	33.794	1632	883.1	878.6	883.11	0.5413	0.81	Aman
6	W14X193	0.947	0.95	3.75	148	0.006	0.389	0.38913	33.789	1631	949.8	945.23	949.79	0.5822	0.85	Aman
5	W14X193	0.945	0.95	3.75	148	0.006	0.39	0.38995	33.78	1631	1016	1011.9	1016.5	0.6232	0.89	Aman
4	W14X257	0.935	0.95	3.75	148	0.006	0.383	0.38259	33.861	2176	1084	1079.7	1084.4	0.4984	0.7	Aman
3	W14X257	0.935	0.95	3.75	148	0.006	0.383	0.38259	33.861	2176	1152	1146.9	1151.6	0.5292	0.73	Aman
2	W14X257	0.935	0.96	3.75	148	0.006	0.383	0.38339	33.852	2175	1218	1213	1217.6	0.5598	0.76	Aman
1	W14X257	0.85	0.86	3.75	148	0.005	0.345	0.34489	34.252	2201	1283	1278.2	1282.9	0.5828	0.79	Aman

KOLOM K5

No	Profil	K		Lb		Ac			For	QcPh	Pu			Pu/ QcPh	Ratio	Cat Ratio MedPu
		Kx	Ky	(m)	(in)	Acx	Acy	Ac Pakai			Pux	Puy	Pu pakai			
20	W14X193	0.915	0.92	3.75	148	0.006	0.374	0.3744	33.949	1639	39.92	39.922	39.922	0.0244	0.38	Aman
19	W14X193	0.92	0.93	3.75	148	0.006	0.381	0.38054	33.883	1636	137.3	137.35	137.35	0.084	0.49	Aman
18	W14X193	0.925	0.95	3.75	148	0.006	0.387	0.38668	33.816	1633	235	234.95	234.95	0.1439	0.51	Aman
17	W14X193	0.93	0.95	3.75	148	0.006	0.389	0.38872	33.794	1632	332.6	332.64	332.64	0.2039	0.59	Aman
16	W14X211	0.93	0.96	3.75	148	0.006	0.389	0.38856	33.796	1781	430.7	430.72	430.72	0.2418	0.6	Aman
15	W14X211	0.94	0.96	3.75	148	0.006	0.389	0.38896	33.791	1781	528.7	528.7	528.7	0.2969	0.65	Aman
14	W14X211	0.94	0.96	3.75	148	0.006	0.389	0.38896	33.791	1781	626.8	626.76	626.76	0.352	0.71	Aman
13	W14X211	0.935	0.96	3.75	148	0.006	0.389	0.38896	33.791	1781	724.8	724.82	724.82	0.407	0.76	Aman
12	W14X233	0.935	0.96	3.75	148	0.006	0.387	0.38733	33.809	1969	823.4	823.41	823.41	0.4183	0.76	Aman
11	W14X233	0.935	0.96	3.75	148	0.006	0.388	0.38773	33.805	1968	922	922.01	922.01	0.4684	0.81	Aman
10	W14X233	0.935	0.96	3.75	148	0.006	0.388	0.38773	33.805	1968	1021	1020.7	1020.7	0.5186	0.86	Aman
9	W14X233	0.93	0.96	3.75	148	0.006	0.388	0.38773	33.805	1968	1120	1119.5	1119.5	0.5688	0.91	Aman
8	W14X283	0.925	0.96	3.75	148	0.006	0.382	0.3825	33.862	2398	1219	1218.8	1218.8	0.5084	0.81	Aman
7	W14X283	0.93	0.96	3.75	148	0.006	0.383	0.3829	33.857	2397	1318	1318.3	1318.3	0.5499	0.85	Aman
6	W14X283	0.935	0.96	3.75	148	0.006	0.383	0.3829	33.857	2397	1418	1417.9	1417.9	0.5915	0.89	Aman
5	W14X283	0.93	0.96	3.75	148	0.006	0.383	0.38329	33.853	2397	1518	1517.8	1517.8	0.6332	0.93	Aman
4	W14X342	0.915	0.96	3.75	148	0.006	0.377	0.37685	33.922	2912	1619	1619	1619	0.5559	0.81	Aman
3	W14X342	0.92	0.96	3.75	148	0.006	0.377	0.37724	33.918	2912	1720	1720.2	1720.2	0.5907	0.85	Aman
2	W14X342	0.935	0.97	3.75	148	0.006	0.378	0.37763	33.914	2912	1821	1821.3	1821.3	0.6255	0.88	Aman
1	W14X342	0.85	0.85	3.75	148	0.005	0.333	0.33263	34.371	2951	1923	1922.6	1922.6	0.6516	0.91	Aman

KOLOM K6

Kolom Lantai	Profil	K			Lb		Ac			Fcr	ΦcPn	Pu			Pu / ΦcPn	Rasio	Cek Rasio MustPu	
		Kx	Ky	(m)	(in)	Acx	Acy	Ac Patail	(Kst)			(Ktaps)	Pu Patail	Pu Puy				(Ktaps)
20	W14X176	0.89	0.89	3.75	148	0.006	0.367	0.36657	34.031	1498	37.53	37.527	37.527	0.025	0.42	Aman		
19	W14X193	0.91	0.9	3.75	148	0.006	0.368	0.36826	34.013	1642	131.6	131.59	131.59	0.0801	0.48	Aman		
18	W14X193	0.912	0.91	3.75	148	0.006	0.372	0.37235	33.97	1640	225.9	225.94	225.94	0.1378	0.51	Aman		
17	W14X193	0.917	0.94	3.75	148	0.006	0.385	0.38463	33.838	1634	320.4	320.37	320.37	0.1961	0.54	Aman		
16	W14X211	0.92	0.95	3.75	148	0.006	0.386	0.38612	33.822	1782	415.2	415.22	415.22	0.233	0.59	Aman		
15	W14X211	0.92	0.95	3.75	148	0.006	0.386	0.38612	33.822	1782	510.1	510.14	510.14	0.2862	0.64	Aman		
14	W14X211	0.92	0.95	3.75	148	0.006	0.386	0.38612	33.822	1782	605.1	605.12	605.12	0.3395	0.7	Aman		
13	W14X211	0.919	0.95	3.75	148	0.006	0.387	0.38652	33.818	1782	700.3	700.27	700.27	0.3929	0.75	Aman		
12	W14X233	0.915	0.95	3.75	148	0.006	0.385	0.38531	33.831	1970	795.9	795.85	795.85	0.404	0.75	Aman		
11	W14X233	0.91	0.95	3.75	148	0.006	0.385	0.38531	33.831	1970	891.5	891.54	891.54	0.4526	0.8	Aman		
10	W14X233	0.91	0.95	3.75	148	0.006	0.385	0.38531	33.831	1970	987.3	987.33	987.33	0.5012	0.85	Aman		
9	W14X233	0.91	0.95	3.75	148	0.006	0.386	0.38571	33.827	1970	1083	1083.3	1083.3	0.55	0.89	Aman		
8	W14X283	0.91	0.95	3.75	148	0.006	0.38	0.38011	33.888	2399	1179	1179.5	1179.5	0.4916	0.79	Aman		
7	W14X283	0.925	0.96	3.75	148	0.006	0.381	0.3805	33.883	2399	1276	1275.8	1275.8	0.5318	0.83	Aman		
6	W14X283	0.925	0.96	3.75	148	0.006	0.381	0.3805	33.883	2399	1372	1372.3	1372.3	0.572	0.87	Aman		
5	W14X283	0.92	0.96	3.75	148	0.006	0.381	0.3805	33.883	2399	1469	1469	1469	0.6123	0.91	Aman		
4	W14X342	0.92	0.96	3.75	148	0.006	0.374	0.37411	33.952	2915	1566	1566.2	1566.2	0.5373	0.79	Aman		
3	W14X342	0.92	0.96	3.75	148	0.006	0.375	0.3745	33.948	2914	1664	1664	1664	0.571	0.83	Aman		
2	W14X342	0.92	0.96	3.75	148	0.006	0.375	0.3745	33.948	2914	1762	1762.3	1762.3	0.6047	0.86	Aman		
1	W14X342	0.845	0.86	3.75	148	0.005	0.337	0.33654	34.333	2948	1861	1861.3	1861.3	0.6315	0.89	Aman		

Tabel desain Kolom terhadap Geser Struktur OF

Kolom K1

Lantai	Profil	Vuk pakai			h / tw	φVn			Cek Geser		Rasio	Vuk pakai			h / tw	φVn			Cek Geser		Rasio
		Arah X	Arah Y	Kips		Arah X	Arah Y	Kips	Arah X	Arah Y		Arah X	Arah Y	Kips		Arah X	Arah Y	Kips	Arah X	Arah Y	
20	W14X132	13.073	3.896	17.7	184.32	490.568	Aman	Aman	0.0709	0.008	20	W14X176	23.0475	5.5335	13.7	245.26	666.37	Aman	Aman	0.094	0.0083
19	W14X193	20.864	5.072	12.8	288.17	732.499	Aman	Aman	0.0771	0.007	19	W14X233	35.994	6.447	10.7	332.81	886.075	Aman	Aman	0.1082	0.0073
18	W14X233	29.253	5.156	10.7	332.81	886.075	Aman	Aman	0.0879	0.006	18	W14X257	51.408	6.363	9.7	376.2	979.776	Aman	Aman	0.1366	0.0065
17	W14X233	34.965	5.334	10.7	332.81	886.075	Aman	Aman	0.1051	0.006	17	W14X257	61.886	6.405	9.7	376.2	979.776	Aman	Aman	0.1644	0.0065
16	W14X257	39.9	5.492	9.7	376.2	979.776	Aman	Aman	0.1061	0.006	16	W14X283	74.2455	6.636	8.8	418.8	1079.79	Aman	Aman	0.1773	0.0061
15	W14X257	46.169	5.785	9.7	376.2	979.776	Aman	Aman	0.1227	0.006	15	W14X283	84.063	6.8885	8.8	418.8	1079.79	Aman	Aman	0.2007	0.0062
14	W14X257	51.881	6.101	9.7	376.2	979.776	Aman	Aman	0.1379	0.006	14	W14X283	93.765	6.8985	8.8	418.8	1079.79	Aman	Aman	0.2239	0.0064
13	W14X283	59.84	5.996	8.8	418.8	1079.79	Aman	Aman	0.1497	0.006	13	W14X283	102.48	6.7725	8.8	418.8	1079.79	Aman	Aman	0.2447	0.0063
12	W14X283	64.806	6.216	8.8	418.8	1079.79	Aman	Aman	0.1547	0.006	12	W14X311	113.421	6.8565	8.1	468.72	1186.23	Aman	Aman	0.242	0.0058
11	W14X283	69.542	6.405	8.8	418.8	1079.79	Aman	Aman	0.1661	0.006	11	W14X311	119.721	6.888	8.1	468.72	1186.23	Aman	Aman	0.2554	0.0058
10	W14X283	70.466	6.416	8.8	418.8	1079.79	Aman	Aman	0.1683	0.006	10	W14X311	127.344	7.0035	8.1	468.72	1186.23	Aman	Aman	0.2717	0.0059
9	W14X311	66.056	6.174	8.1	468.72	1186.23	Aman	Aman	0.1409	0.005	9	W14X311	127.974	6.888	8.1	468.72	1186.23	Aman	Aman	0.273	0.0058
8	W14X311	71.631	6.405	8.1	468.72	1186.23	Aman	Aman	0.1528	0.005	8	W14X342	131.67	6.9195	7.4	523.91	1312.46	Aman	Aman	0.241	0.0053
7	W14X311	74.288	6.552	8.1	468.72	1186.23	Aman	Aman	0.1585	0.006	7	W14X342	134.925	7.0245	7.4	523.91	1312.46	Aman	Aman	0.2513	0.0053
6	W14X311	75.926	6.384	8.1	468.72	1186.23	Aman	Aman	0.162	0.005	6	W14X342	137.2665	6.867	7.4	523.91	1312.46	Aman	Aman	0.2575	0.0054
5	W14X370	74.655	6.08	6.9	577.64	1422.04	Aman	Aman	0.1292	0.004	5	W14X426	138.5265	6.7515	6.1	683.43	1644.88	Aman	Aman	0.2027	0.0041
4	W14X370	79.265	6.405	6.9	577.64	1422.04	Aman	Aman	0.1372	0.005	4	W14X426	139.4505	6.7935	6.1	683.43	1644.88	Aman	Aman	0.204	0.0041
3	W14X370	84.357	7.161	6.9	577.64	1422.04	Aman	Aman	0.146	0.005	3	W14X426	132.6675	6.72	6.1	683.43	1644.88	Aman	Aman	0.2027	0.0046
2	W14X370	101.62	8.453	6.9	577.64	1422.04	Aman	Aman	0.1759	0.006	2	W14X426	104.8425	5.943	6.9	577.64	1422.04	Aman	Aman	0.1815	0.0042
1	W14X370	101.62	8.453	6.9	577.64	1422.04	Aman	Aman	0.1759	0.006	1	W14X370	104.8425	5.943	6.9	577.64	1422.04	Aman	Aman	0.1815	0.0042

Kolom K3

Lantai	Profil	Vuk pakai			h / tw	φVn			Cek Geser		Rasio	Vuk pakai			h / tw	φVn			Cek Geser		Rasio
		Arah X	Arah Y	Kips		Arah X	Arah Y	Kips	Arah X	Arah Y		Arah X	Arah Y	Kips		Arah X	Arah Y	Kips	Arah X	Arah Y	
20	W14X159	25.62	4.589	15.3	217.24	601.474	Aman	Aman	0.1179	0.008	20	W14X159	23.5935	3.0975	15.3	217.24	601.474	Aman	Aman	0.1086	0.0051
19	W14X211	38.514	5.586	11.6	299.1	798.595	Aman	Aman	0.1288	0.007	19	W14X193	29.757	2.394	12.8	288.17	732.499	Aman	Aman	0.111	0.0033
18	W14X233	53.97	5.355	10.7	332.81	886.075	Aman	Aman	0.1622	0.006	18	W14X311	45.0765	3.6015	8.1	468.72	1186.23	Aman	Aman	0.0962	0.003
17	W14X233	64.008	5.208	10.7	332.81	886.075	Aman	Aman	0.1923	0.006	17	W14X311	53.2875	3.885	8.1	468.72	1186.23	Aman	Aman	0.1137	0.0033
16	W14X257	77.154	5.45	9.7	376.2	979.776	Aman	Aman	0.2051	0.006	16	W14X342	61.3305	4.1055	7.4	523.91	1312.46	Aman	Aman	0.1171	0.0031
15	W14X257	86.31	5.292	9.7	376.2	979.776	Aman	Aman	0.2294	0.005	15	W14X342	79.3905	4.725	7.4	523.91	1312.46	Aman	Aman	0.1351	0.0036
14	W14X257	95.634	5.345	9.7	376.2	979.776	Aman	Aman	0.2542	0.005	14	W14X342	86.2995	5.4075	7.4	523.91	1312.46	Aman	Aman	0.1515	0.004
13	W14X283	115.92	5.418	8.8	418.8	1079.79	Aman	Aman	0.2768	0.005	13	W14X342	90.5625	5.1975	7.4	523.91	1312.46	Aman	Aman	0.1647	0.0041
12	W14X283	121.42	5.261	8.8	418.8	1079.79	Aman	Aman	0.2859	0.005	12	W14X370	98.511	5.67	6.9	577.64	1422.04	Aman	Aman	0.1729	0.004
11	W14X283	126.56	5.292	8.8	418.8	1079.79	Aman	Aman	0.307	0.005	11	W14X370	104.8425	5.943	6.9	577.64	1422.04	Aman	Aman	0.1705	0.004
10	W14X283	126.56	5.292	8.8	418.8	1079.79	Aman	Aman	0.307	0.005	10	W14X370	104.8425	5.943	6.9	577.64	1422.04	Aman	Aman	0.1815	0.0042

Kolom K5																Kolom K6															
Lantai	Profil	Volum pakai				h / tw	Q _W		Cek Geser				Rasio	Lantai	Profil	Volum pakai		h / tw	Q _W		Cek Geser		Rasio								
		Aras X	Aras Y	Kips	Kips		Aras X	Aras Y	Kips	Kips	Aras X	Aras Y				Kips	Kips		Aras X	Aras Y	Kips	Kips									
9	W14X283	128.86	5.135	8.8	418.8	1079.79	Aman	Aman	0.3077	0.005	9	W14X370	110.4495	6.0375	6.9	577.64	1422.04	Aman	Aman	0.1912	0.0042										
8	W14X311	128.1	5.355	8.1	468.72	1186.23	Aman	Aman	0.2733	0.005	8	W14X370	113.7685	5.7015	6.9	577.64	1422.04	Aman	Aman	0.197	0.004										
7	W14X311	132.38	5.177	8.1	468.72	1186.23	Aman	Aman	0.2824	0.004	7	W14X426	119.7525	6.048	6.1	683.43	1644.88	Aman	Aman	0.1752	0.0037										
6	W14X311	135.11	5.208	8.1	468.72	1186.23	Aman	Aman	0.2883	0.004	6	W14X426	124.362	6.279	6.1	683.43	1644.88	Aman	Aman	0.182	0.0038										
5	W14X311	136.33	5.03	8.1	468.72	1186.23	Aman	Aman	0.2909	0.004	5	W14X426	128.541	6.1425	6.1	683.43	1644.88	Aman	Aman	0.1881	0.0037										
4	W14X426	139.15	5.261	6.1	683.43	1644.88	Aman	Aman	0.2036	0.003	4	W14X455	125.9055	5.3655	5.7	746.11	1747.27	Aman	Aman	0.1687	0.0031										
3	W14X426	137.89	4.946	6.1	683.43	1644.88	Aman	Aman	0.2018	0.003	3	W14X455	133.896	6.048	5.7	746.11	1747.27	Aman	Aman	0.1795	0.0035										
2	W14X426	135.37	5.534	6.1	683.43	1644.88	Aman	Aman	0.1981	0.003	2	W14X455	141.5715	6.3525	5.7	746.11	1747.27	Aman	Aman	0.1897	0.0036										
1	W14X426	124.24	3.129	6.1	683.43	1644.88	Aman	Aman	0.1818	0.002	1	W14X455	165.0915	9.7125	5.7	746.11	1747.27	Aman	Aman	0.2213	0.0056										

Tabel desain Kolom terhadap Geser Struktur BOF

Kolom K1

Lantai	Profil	Muat pakai			h / bw			Muat pakai			Lantai	Profil	Rasio			Cek Geser			Rasio		
		Aras X	Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips			Aras X	Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips
20	W14X90	6.783	2.468	11.13	25.9	119.75	333.557	0.0566	0.007	0.007	20	W14X99	4.6445	2.671	23.5	133.88	368.971	Aman	Aman	0.03	0.007
19	W14X90	11.13	4.158	25.9	119.75	333.557	Aman	0.0929	0.012	0.012	19	W14X109	11.3095	6.9165	21.7	145.95	406.815	Aman	Aman	0.08	0.017
18	W14X90	8.946	3.759	25.9	119.75	333.557	Aman	0.0747	0.011	0.011	18	W14X109	6.489	4.938	21.7	145.95	406.815	Aman	Aman	0.04	0.012
17	W14X90	9.9015	3.791	25.9	119.75	333.557	Aman	0.0827	0.011	0.011	17	W14X109	8.874	5.4555	21.7	145.95	406.815	Aman	Aman	0.06	0.013
16	W14X109	12.18	3.969	21.7	145.95	406.815	Aman	0.0835	0.01	0.01	16	W14X120	12.4615	5.7755	19.3	166.31	447.703	Aman	Aman	0.08	0.013
15	W14X109	10.28	3.896	21.7	145.95	406.815	Aman	0.0704	0.01	0.01	15	W14X120	10.1895	5.5075	19.3	166.31	447.703	Aman	Aman	0.06	0.012
14	W14X109	11.078	3.969	21.7	145.95	406.815	Aman	0.0759	0.01	0.01	14	W14X120	11.108	5.6825	19.3	166.31	447.703	Aman	Aman	0.07	0.013
13	W14X109	11.162	3.969	21.7	145.95	406.815	Aman	0.0765	0.01	0.01	13	W14X120	11.4875	5.3695	19.3	166.31	447.703	Aman	Aman	0.07	0.013
12	W14X132	11.414	4.095	17.7	184.32	490.568	Aman	0.0619	0.008	0.008	12	W14X145	12.5985	6.552	16.8	195.64	547.397	Aman	Aman	0.06	0.012
11	W14X132	18.554	4.883	17.7	184.32	490.568	Aman	0.1007	0.01	0.01	11	W14X145	19.0445	2.9755	16.8	195.64	547.397	Aman	Aman	0.1	0.005
10	W14X132	17.126	5.66	17.7	184.32	490.568	Aman	0.0929	0.012	0.012	10	W14X145	10.6415	3.3685	16.8	195.64	547.397	Aman	Aman	0.05	0.006
9	W14X132	18.659	4.904	17.7	184.32	490.568	Aman	0.1012	0.01	0.01	9	W14X145	19.231	6.721	16.8	195.64	547.397	Aman	Aman	0.1	0.012
8	W14X145	12.201	4.127	16.8	195.64	547.397	Aman	0.0624	0.008	0.008	8	W14X176	14.846	5.732	13.7	245.26	666.37	Aman	Aman	0.06	0.009
7	W14X145	12.38	4.116	16.8	195.64	547.397	Aman	0.0633	0.008	0.008	7	W14X176	13.9525	5.6905	13.7	245.26	666.37	Aman	Aman	0.06	0.009
6	W14X145	12.978	4.2	16.8	195.64	547.397	Aman	0.0663	0.008	0.008	6	W14X176	14.48	5.701	13.7	245.26	666.37	Aman	Aman	0.06	0.009
5	W14X145	9.9545	4.001	16.8	195.64	547.397	Aman	0.0509	0.007	0.007	5	W14X176	10.3065	5.4345	13.7	245.26	666.37	Aman	Aman	0.04	0.008
4	W14X159	10.826	4.127	15.3	217.24	601.474	Aman	0.0498	0.007	0.007	4	W14X257	10.754	5.6735	9.7	376.2	979.776	Aman	Aman	0.03	0.006
3	W14X159	9.7965	4.011	15.3	217.24	601.474	Aman	0.0451	0.007	0.007	3	W14X257	9.1495	5.423	9.7	376.2	979.776	Aman	Aman	0.02	0.006
2	W14X159	8.589	4.431	15.3	217.24	601.474	Aman	0.0395	0.007	0.007	2	W14X257	7.0425	6.015	9.7	376.2	979.776	Aman	Aman	0.02	0.006
1	W14X159	15.015	4.19	15.3	217.24	601.474	Aman	0.0691	0.007	0.007	1	W14X257	16.221	4.4065	9.7	376.2	979.776	Aman	Aman	0.04	0.004

Kolom K3

Lantai	Profil	Muat pakai			h / bw			Muat pakai			Lantai	Profil	Rasio			Cek Geser			Rasio		
		Aras X	Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips			Aras X	Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips
20	W14X159	2.44	4.969	15.3	217.24	601.474	Aman	0.0112	0.008	0.008	20	W14X99	9.8635	0.424	23.5	133.88	368.971	Aman	Aman	0.07	0.001
19	W14X176	8.56	5.51	13.7	245.26	666.37	Aman	0.0349	0.008	0.008	19	W14X109	17.2935	1.043	21.7	145.95	406.815	Aman	Aman	0.12	0.003
18	W14X193	6.72	5.561	12.8	268.17	732.499	Aman	0.0251	0.008	0.008	18	W14X109	15.315	1.2255	21.7	145.95	406.815	Aman	Aman	0.1	0.003
17	W14X193	8.6	5.344	12.8	268.17	732.499	Aman	0.0321	0.007	0.007	17	W14X109	15.3385	1.2345	21.7	145.95	406.815	Aman	Aman	0.11	0.003
16	W14X211	11.72	5.582	11.6	299.1	798.595	Aman	0.0392	0.007	0.007	16	W14X120	18.3215	1.4255	19.3	166.31	447.703	Aman	Aman	0.11	0.003
15	W14X211	9.76	5.437	11.6	299.1	798.595	Aman	0.0326	0.007	0.007	15	W14X120	15.7945	1.365	19.3	166.31	447.703	Aman	Aman	0.09	0.003
14	W14X211	10.64	5.489	11.6	299.1	798.595	Aman	0.0356	0.007	0.007	14	W14X120	16.968	1.485	19.3	166.31	447.703	Aman	Aman	0.1	0.003
13	W14X211	11.08	5.323	11.6	299.1	798.595	Aman	0.037	0.007	0.007	13	W14X120	17.189	1.5545	19.3	166.31	447.703	Aman	Aman	0.1	0.003
12	W14X233	12.2	5.552	10.7	332.81	886.075	Aman	0.0367	0.006	0.006	12	W14X159	18.126	1.5945	15.3	217.24	601.474	Aman	Aman	0.1	0.003
11	W14X233	18.64	5.396	10.7	332.81	886.075	Aman	0.0566	0.006	0.006	11	W14X159	27.715	2.494	15.3	217.24	601.474	Aman	Aman	0.08	0.003

Kolom K4

10	W14X233	9.56	5.438	10.7	332.81	886.075	Aman	0.0287	0.006	10	W14X159	25.8145	2.3635	15.3	217.24	601.474	Aman	0.12	0.004
9	W14X233	19.32	5.251	10.7	332.81	886.075	Aman	0.0581	0.006	9	W14X159	28.1035	2.5935	15.3	217.24	601.474	Aman	0.13	0.004
8	W14X257	14.08	5.48	9.7	376.2	979.776	Aman	0.0374	0.006	8	W14X193	19.5975	1.6335	12.8	268.17	732.499	Aman	0.07	0.002
7	W14X257	13.64	5.293	9.7	376.2	979.776	Aman	0.0363	0.005	7	W14X193	19.4445	1.663	12.8	268.17	732.499	Aman	0.07	0.002
6	W14X257	13.96	5.314	9.7	376.2	979.776	Aman	0.0371	0.005	6	W14X193	20.023	1.6825	12.8	268.17	732.499	Aman	0.07	0.002
5	W14X283	10.08	5.128	9.7	376.2	979.776	Aman	0.0268	0.005	5	W14X193	16.4785	1.472	12.8	268.17	732.499	Aman	0.06	0.002
4	W14X283	10.48	5.356	8.8	418.8	1079.79	Aman	0.025	0.005	4	W14X257	18.0505	1.4115	9.7	376.2	979.776	Aman	0.05	0.001
3	W14X283	8.96	5.035	8.8	418.8	1079.79	Aman	0.0214	0.005	3	W14X257	16.535	1.4205	9.7	376.2	979.776	Aman	0.04	0.001
2	W14X283	7.08	5.596	8.8	418.8	1079.79	Aman	0.0169	0.005	2	W14X257	15.4575	1.461	9.7	376.2	979.776	Aman	0.04	0.001
1	W14X283	14.84	3.167	8.8	418.8	1079.79	Aman	0.0354	0.003	1	W14X257	23.1285	2.781	9.7	376.2	979.776	Aman	0.06	0.003

Kolom K5

Lantai	Profil	Muat pakai			b / tw			Q _W			Cek Geser			Rasio			Lantai	Profil	Muat pakai			b / tw			Q _W			Cek Geser			Rasio		
		Aras X		Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y			Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips		
		Aras X	Aras Y																														
20	W14X193	6.476	1.457	12.8	268.17	732.499	12.8	268.17	732.499	12.8	268.17	732.499	Aman	Aman	0.0241	0.002	20	W14X193	4.48	0.121	12.8	268.17	732.499	12.8	268.17	732.499	Aman	Aman	0.02	2E-04			
19	W14X211	16.537	1.503	11.6	299.1	798.595	11.6	299.1	798.595	11.6	299.1	798.595	Aman	Aman	0.0553	0.002	19	W14X211	12.56	0.07	11.6	299.1	798.595	11.6	299.1	798.595	Aman	Aman	0.04	2E-05			
18	W14X211	13.758	1.793	11.6	299.1	798.595	11.6	299.1	798.595	11.6	299.1	798.595	Aman	Aman	0.046	0.002	18	W14X211	10.84	0.101	11.6	299.1	798.595	11.6	299.1	798.595	Aman	Aman	0.04	1E-04			
17	W14X211	15.086	1.853	11.6	299.1	798.595	11.6	299.1	798.595	11.6	299.1	798.595	Aman	Aman	0.0504	0.002	17	W14X211	12.2	0.101	11.6	299.1	798.595	11.6	299.1	798.595	Aman	Aman	0.04	1E-04			
16	W14X233	18.352	2.105	10.7	332.81	886.075	10.7	332.81	886.075	10.7	332.81	886.075	Aman	Aman	0.0551	0.002	16	W14X233	15.12	0.115	10.7	332.81	886.075	10.7	332.81	886.075	Aman	Aman	0.04	1E-04			
15	W14X233	15.148	2.105	10.7	332.81	886.075	10.7	332.81	886.075	10.7	332.81	886.075	Aman	Aman	0.0455	0.002	15	W14X233	12.4	0.1115	10.7	332.81	886.075	10.7	332.81	886.075	Aman	Aman	0.04	1E-04			
14	W14X233	16.815	2.235	10.7	332.81	886.075	10.7	332.81	886.075	10.7	332.81	886.075	Aman	Aman	0.0505	0.003	14	W14X233	14.08	0.1115	10.7	332.81	886.075	10.7	332.81	886.075	Aman	Aman	0.04	1E-04			
13	W14X233	17.865	2.235	10.7	332.81	886.075	10.7	332.81	886.075	10.7	332.81	886.075	Aman	Aman	0.0537	0.003	13	W14X233	15.04	0.112	10.7	332.81	886.075	10.7	332.81	886.075	Aman	Aman	0.05	1E-04			
12	W14X257	19.321	2.366	9.7	376.2	979.776	9.7	376.2	979.776	9.7	376.2	979.776	Aman	Aman	0.0514	0.002	12	W14X257	16.56	0.112	9.7	376.2	979.776	9.7	376.2	979.776	Aman	Aman	0.04	1E-04			
11	W14X257	33.905	2.674	9.7	376.2	979.776	9.7	376.2	979.776	9.7	376.2	979.776	Aman	Aman	0.0901	0.003	11	W14X257	29.44	0.112	9.7	376.2	979.776	9.7	376.2	979.776	Aman	Aman	0.04	1E-04			
10	W14X257	27.559	1.174	9.7	376.2	979.776	9.7	376.2	979.776	9.7	376.2	979.776	Aman	Aman	0.0733	0.001	10	W14X257	23	0.1015	9.7	376.2	979.776	9.7	376.2	979.776	Aman	Aman	0.06	1E-04			
9	W14X257	35.068	2.945	9.7	376.2	979.776	9.7	376.2	979.776	9.7	376.2	979.776	Aman	Aman	0.0932	0.003	9	W14X257	30.72	0.081	9.7	376.2	979.776	9.7	376.2	979.776	Aman	Aman	0.08	8E-05			
8	W14X311	22.331	2.126	8.1	468.72	1186.23	8.1	468.72	1186.23	8.1	468.72	1186.23	Aman	Aman	0.0476	0.002	8	W14X311	19.88	0.081	8.1	468.72	1186.23	8.1	468.72	1186.23	Aman	Aman	0.04	7E-05			
7	W14X311	22.172	2.135	8.1	468.72	1186.23	8.1	468.72	1186.23	8.1	468.72	1186.23	Aman	Aman	0.0473	0.002	7	W14X311	19.96	0.071	8.1	468.72	1186.23	8.1	468.72	1186.23	Aman	Aman	0.04	6E-05			
6	W14X311	22.924	2.064	8.1	468.72	1186.23	8.1	468.72	1186.23	8.1	468.72	1186.23	Aman	Aman	0.0489	0.002	6	W14X311	20.84	0.04	8.1	468.72	1186.23	8.1	468.72	1186.23	Aman	Aman	0.04	3E-05			
5	W14X311	17.348	1.743	8.1	468.72	1186.23	8.1	468.72	1186.23	8.1	468.72	1186.23	Aman	Aman	0.037	0.001	5	W14X311	16.2	0.03	8.1	468.72	1186.23	8.1	468.72	1186.23	Aman	Aman	0.03	3E-05			
4	W14X370	19.804	1.642	6.9	577.64	1422.04	6.9	577.64	1422.04	6.9	577.64	1422.04	Aman	Aman	0.0343	0.001	4	W14X370	17.96	0.0305	6.9	577.64	1422.04	6.9	577.64	1422.04	Aman	Aman	0.03	3E-05			
3	W14X370	17.012	1.502	6.9	577.64	1422.04	6.9	577.64	1422.04	6.9	577.64	1422.04	Aman	Aman	0.0294	0.001	3	W14X370	16.04	0.031	6.9	577.64	1422.04	6.9	577.64	1422.04	Aman	Aman	0.03	2E-05			
2	W14X370	13.908	1.301	6.9	577.64	1422.04	6.9	577.64	1422.04	6.9	577.64	1422.04	Aman	Aman	0.0241	9E-04	2	W14X370	13.64	0.0525	6.9	577.64	1422.04	6.9	577.64	1422.04	Aman	Aman	0.02	4E-05			
1	W14X370	31.631	2.2	6.9	577.64	1422.04	6.9	577.64	1422.04	6.9	577.64	1422.04	Aman	Aman	0.0548	0.002	1	W14X370	27.6	0.052	6.9	577.64	1422.04	6.9	577.64	1422.04	Aman	Aman	0.05	4E-05			

Tabel desain Kolom terhadap Geser Struktur Global Brace

Kolom K1

Lantai	Profil	Yuk pakai			h / tw	φVn			Cek Geser			Rasio			Lantai	Profil	Yuk pakai			b / tw	φVn			Cek Geser			Rasio		
		Aras X	Aras Y	Kips		Aras X	Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips			Aras X	Aras Y	Kips		Aras X	Aras Y	Kips	Aras X	Aras Y	Kips	Aras X	Aras Y	Kips
20	W14X82	4.9875	6.111		22.4	141.78	279.79	Aman	Aman	0.0352	0.022		20	W14X109	3.6275	7.0315	21.7	145.95	406.815	Aman	Aman	0.0249	0.0173						
19	W14X90	7.3815	6.92		25.9	119.75	333.557	Aman	Aman	0.0616	0.021		19	W14X120	1.6085	8.0185	19.3	166.31	447.703	Aman	Aman	0.0097	0.0179						
18	W14X90	7.413	6.815		25.9	119.75	333.557	Aman	Aman	0.0619	0.02		18	W14X120	1.064	6.5285	19.3	166.31	447.703	Aman	Aman	0.0064	0.0146						
17	W14X90	9.5025	6.059		25.9	119.75	333.557	Aman	Aman	0.0794	0.018		17	W14X120	7.886	6.6815	19.3	166.31	447.703	Aman	Aman	0.0474	0.0149						
16	W14X99	10.7	6.269		23.5	133.88	368.971	Aman	Aman	0.0799	0.017		16	W14X132	10.7885	7.0935	17.7	184.32	490.568	Aman	Aman	0.0585	0.0145						
15	W14X99	5.838	6.657		23.5	133.88	368.971	Aman	Aman	0.0436	0.018		15	W14X132	4.0065	6.975	17.7	184.32	490.568	Aman	Aman	0.0217	0.0142						
14	W14X99	6.2265	6.678		23.5	133.88	368.971	Aman	Aman	0.0465	0.018		14	W14X132	5.202	6.9675	17.7	184.32	490.568	Aman	Aman	0.0282	0.0143						
13	W14X99	12.453	5.87		23.5	133.88	368.971	Aman	Aman	0.093	0.016		13	W14X132	14.2125	6.4715	17.7	184.32	490.568	Aman	Aman	0.0771	0.0132						
12	W14X120	14.427	5.996		19.3	166.31	447.703	Aman	Aman	0.0867	0.013		12	W14X159	16.721	6.6705	15.3	217.24	601.474	Aman	Aman	0.077	0.0111						
11	W14X120	5.1555	6.384		19.3	166.31	447.703	Aman	Aman	0.031	0.014		11	W14X159	7.0505	6.884	15.3	217.24	601.474	Aman	Aman	0.0325	0.0111						
10	W14X120	5.313	6.279		19.3	166.31	447.703	Aman	Aman	0.0319	0.014		10	W14X159	8.336	6.677	15.3	217.24	601.474	Aman	Aman	0.0384	0.0111						
9	W14X120	14.186	5.408		19.3	166.31	447.703	Aman	Aman	0.0853	0.012		9	W14X159	17.8685	5.966	15.3	217.24	601.474	Aman	Aman	0.0822	0.0099						
8	W14X159	17.756	5.334		15.3	217.24	601.474	Aman	Aman	0.0817	0.009		8	W14X193	23.3965	6.3635	12.8	268.17	732.499	Aman	Aman	0.0872	0.0087						
7	W14X159	6.2475	5.66		15.3	217.24	601.474	Aman	Aman	0.0288	0.009		7	W14X193	10.349	6.171	12.8	268.17	732.499	Aman	Aman	0.0386	0.0084						
6	W14X159	6.9195	5.345		15.3	217.24	601.474	Aman	Aman	0.0319	0.009		6	W14X193	12.279	6.063	12.8	268.17	732.499	Aman	Aman	0.0458	0.0083						
5	W14X159	15.057	4.599		15.3	217.24	601.474	Aman	Aman	0.0693	0.008		5	W14X193	19.6285	5.5255	12.8	268.17	732.499	Aman	Aman	0.0732	0.0075						
4	W14X193	19.751	4.326		12.8	268.17	732.499	Aman	Aman	0.0736	0.006		4	W14X257	24.501	5.584	9.7	376.2	979.776	Aman	Aman	0.0651	0.0057						
3	W14X193	9.1035	4.295		12.8	268.17	732.499	Aman	Aman	0.0339	0.006		3	W14X257	14.824	5.372	9.7	376.2	979.776	Aman	Aman	0.0394	0.0055						
2	W14X193	12.642	4.158		12.8	268.17	732.499	Aman	Aman	0.0471	0.006		2	W14X257	17.1675	5.754	9.7	376.2	979.776	Aman	Aman	0.0456	0.0059						
1	W14X193	21.263	2.636		12.8	268.17	732.499	Aman	Aman	0.0793	0.004		1	W14X257	29.4875	3.4225	9.7	376.2	979.776	Aman	Aman	0.0784	0.0035						

Kolom K3

Lantai		Profil		Yuk pakai			h / tw	φVn			Cek Geser			Rasio			Lantai	Profil	Yuk pakai			h / tw			φVn			Cek Geser			Rasio			
				Aras X		Kips		Aras X		Aras Y	Kips	Aras X		Aras Y	Aras X				Aras Y	Aras X		Aras Y	Aras X		Aras Y	Aras X		Aras Y	Aras X		Aras Y	Aras X		Aras Y
20		W14X145	4.28	5.402	16.8	195.64	547.397	Aman	Aman	0.0219	0.01	0.01	20	W14X90	15.4125	3.277	25.9	119.75	333.557	Aman	Aman	0.1287	0.0098											
19		W14X176	1.68	5.612	13.7	245.26	666.37	Aman	Aman	0.0069	0.008	0.008	19	W14X99	14.593	2.8945	23.5	133.88	368.971	Aman	Aman	0.109	0.0078											
18		W14X176	2.8	5.633	13.7	245.26	666.37	Aman	Aman	0.0114	0.008	0.008	18	W14X99	14.3835	3.126	23.5	133.88	368.971	Aman	Aman	0.1074	0.0085											
17		W14X176	9.4	5.654	13.7	245.26	666.37	Aman	Aman	0.0383	0.008	0.008	17	W14X99	20.566	2.425	23.5	133.88	368.971	Aman	Aman	0.1535	0.0066											
16		W14X193	11.68	5.892	12.8	268.17	732.499	Aman	Aman	0.0436	0.008	0.008	16	W14X109	23.839	2.5955	21.7	145.95	406.815	Aman	Aman	0.1633	0.0064											
15		W14X193	8.76	5.498	12.8	268.17	732.499	Aman	Aman	0.0327	0.008	0.008	15	W14X109	16.071	2.985	21.7	145.95	406.815	Aman	Aman	0.1101	0.0073											
14		W14X193	9.08	5.55	12.8	268.17	732.499	Aman	Aman	0.0339	0.008	0.008	14	W14X109	15.944	2.975	21.7	145.95	406.815	Aman	Aman	0.1092	0.0073											
13		W14X193	15.08	5.602	12.8	268.17	732.499	Aman	Aman	0.0562	0.008	0.008	13	W14X109	24.965	2.2845	21.7	145.95	406.815	Aman	Aman	0.1711	0.0056											
12		W14X211	18.16	5.82	11.6	299.1	798.595	Aman	Aman	0.0607	0.007	0.007	12	W14X145	28.5925	2.2045	16.8	195.64	547.397	Aman	Aman	0.1461	0.004											
11		W14X211	13.4	5.406	11.6	299.1	798.595	Aman	Aman	0.0448	0.007	0.007	11	W14X145	17.7	2.7145	16.8	195.64	547.397	Aman	Aman	0.0905	0.005											

Kolom K4

10	W14X211	13.4	5.437	11.6	299.1	798.595	Aman	Aman	0.0448	0.007	10	W14X145	17.3305	2.584	16.8	195.64	547.397	Aman	Aman	0.0836	0.0047
9	W14X211	18.84	5.479	11.6	299.1	798.595	Aman	Aman	0.063	0.007	9	W14X145	26.9795	1.8035	16.8	195.64	547.397	Aman	Aman	0.1379	0.0033
8	W14X233	23.86	5.676	10.7	332.81	886.075	Aman	Aman	0.0718	0.006	8	W14X193	31.9935	1.8035	12.8	268.17	732.499	Aman	Aman	0.1193	0.0022
7	W14X233	17.52	5.262	10.7	332.81	886.075	Aman	Aman	0.0526	0.006	7	W14X193	18.5985	2.023	12.8	268.17	732.499	Aman	Aman	0.0694	0.0028
6	W14X233	17.72	5.272	10.7	332.81	886.075	Aman	Aman	0.0532	0.006	6	W14X193	18.657	1.682	12.8	268.17	732.499	Aman	Aman	0.0696	0.0023
5	W14X233	18.44	5.273	10.7	332.81	886.075	Aman	Aman	0.0554	0.006	5	W14X193	25.012	1.0615	12.8	268.17	732.499	Aman	Aman	0.0933	0.0014
4	W14X257	23.12	5.47	9.7	376.2	979.776	Aman	Aman	0.0615	0.006	4	W14X257	30.4435	0.641	9.7	376.2	979.776	Aman	Aman	0.0809	0.0007
3	W14X257	19.36	4.92	9.7	376.2	979.776	Aman	Aman	0.0515	0.005	3	W14X257	18.7165	0.8305	9.7	376.2	979.776	Aman	Aman	0.0498	0.0008
2	W14X257	20.76	5.45	9.7	376.2	979.776	Aman	Aman	0.0552	0.006	2	W14X257	20.8585	0.341	9.7	376.2	979.776	Aman	Aman	0.0554	0.0003
1	W14X257	22.12	3.239	9.7	376.2	979.776	Aman	Aman	0.0588	0.003	1	W14X257	29.4585	0.821	9.7	376.2	979.776	Aman	Aman	0.0783	0.0008

Kolom K5

Kolom K6

Lantai	Profil	Yak pakai		h / sw	Mn		Cek Geser		Rasio		Lantai	Profil	Yak pakai		h / sw	Mn		Cek Geser		Rasio	
		Arab X	Arab Y		Arab X	Arab Y	Arab X	Arab Y	Arab X	Arab Y			Arab X	Arab Y		Arab X	Arab Y	Arab X	Arab Y	Arab X	Arab Y
20	W14X193	18.506	2.72	12.8	268.17	732.499	Aman	Aman	0.069	0.004	20	W14X176	17.8	0.9375	13.7	245.26	666.37	Aman	Aman	0.0726	0.0014
19	W14X193	14.017	2.033	12.8	268.17	732.499	Aman	Aman	0.0523	0.003	19	W14X193	14.68	0.6385	12.8	268.17	732.499	Aman	Aman	0.0547	0.0009
18	W14X193	14.647	2.213	12.8	268.17	732.499	Aman	Aman	0.0546	0.003	18	W14X193	14.92	0.7315	12.8	268.17	732.499	Aman	Aman	0.0556	0.001
17	W14X193	27.375	1.642	12.8	268.17	732.499	Aman	Aman	0.1021	0.002	17	W14X193	26.72	0.649	12.8	268.17	732.499	Aman	Aman	0.0986	0.0009
16	W14X211	30.701	1.733	11.6	299.1	798.595	Aman	Aman	0.1026	0.002	16	W14X211	29.88	0.69	11.6	299.1	798.595	Aman	Aman	0.0999	0.0009
15	W14X211	18.507	2.033	11.6	299.1	798.595	Aman	Aman	0.0619	0.003	15	W14X211	18.8	0.6595	11.6	299.1	798.595	Aman	Aman	0.0629	0.0008
14	W14X211	18.084	1.972	11.6	299.1	798.595	Aman	Aman	0.0605	0.002	14	W14X211	18.52	0.649	11.6	299.1	798.595	Aman	Aman	0.0619	0.0008
13	W14X211	34.334	1.432	11.6	299.1	798.595	Aman	Aman	0.1148	0.002	13	W14X211	33.36	0.587	11.6	299.1	798.595	Aman	Aman	0.1115	0.0007
12	W14X233	40.1	1.352	10.7	332.81	886.075	Aman	Aman	0.1205	0.002	12	W14X233	39.28	0.5975	10.7	332.81	886.075	Aman	Aman	0.118	0.0007
11	W14X233	22.034	1.721	10.7	332.81	886.075	Aman	Aman	0.0662	0.002	11	W14X233	22.36	0.5565	10.7	332.81	886.075	Aman	Aman	0.0672	0.0006
10	W14X233	20.989	1.57	10.7	332.81	886.075	Aman	Aman	0.0631	0.002	10	W14X233	21.44	0.5255	10.7	332.81	886.075	Aman	Aman	0.0644	0.0006
9	W14X233	38.208	1.02	10.7	332.81	886.075	Aman	Aman	0.1148	0.001	9	W14X233	37.4	0.4535	10.7	332.81	886.075	Aman	Aman	0.1124	0.0005
8	W14X283	46.101	0.809	8.8	418.8	1079.79	Aman	Aman	0.1101	7E-04	8	W14X283	45.08	0.433	8.8	418.8	1079.79	Aman	Aman	0.1076	0.0004
7	W14X283	24.022	1.198	8.8	418.8	1079.79	Aman	Aman	0.0574	0.001	7	W14X283	24.4	0.371	8.8	418.8	1079.79	Aman	Aman	0.0583	0.0003
6	W14X283	23.455	0.936	8.8	418.8	1079.79	Aman	Aman	0.056	9E-04	6	W14X283	23.6	0.3195	8.8	418.8	1079.79	Aman	Aman	0.0564	0.0003
5	W14X283	34.038	0.464	8.8	418.8	1079.79	Aman	Aman	0.0813	4E-04	5	W14X283	34.16	0.247	8.8	418.8	1079.79	Aman	Aman	0.0816	0.0002
4	W14X342	43.985	0.193	7.4	523.91	1312.46	Aman	Aman	0.084	1E-04	4	W14X342	41.64	0.1955	7.4	523.91	1312.46	Aman	Aman	0.0795	0.0001
3	W14X342	23.142	0.432	7.4	523.91	1312.46	Aman	Aman	0.0442	3E-04	3	W14X342	23.76	0.1235	7.4	523.91	1312.46	Aman	Aman	0.0454	9E-05
2	W14X342	24.708	0.151	7.4	523.91	1312.46	Aman	Aman	0.0472	1E-04	2	W14X342	24.52	0.0305	7.4	523.91	1312.46	Aman	Aman	0.0468	2E-05
1	W14X342	42.911	0.672	7.4	523.91	1312.46	Aman	Aman	0.0819	5E-04	1	W14X342	37.84	0.0315	7.4	523.91	1312.46	Aman	Aman	0.0722	2E-05

Tabel Kontrol Strong Kolom Weak Beam Struktur OF

Cek Strong Kolom Weak Beam Kolom 1 (K1)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X132	W16X31	W16X26	14.553	8336.232	8336.232	7.350	7.398	5668.593	4550.832	1.471	OK	1.832	OK
19	W14X193	W18x40	W16X26	58.605	20749.951	10319.896	7.750	18.120	8352.919	4550.832	2.484	OK	2.268	OK
18	W14X233	W18x40	W16X26	106.369	27432.684	13907.104	8.000	18.877	8374.090	4550.832	3.276	OK	3.056	OK
17	W14X233	W18x40	W16X26	155.530	29725.022	15067.041	8.000	18.894	8374.362	4550.832	3.550	OK	3.311	OK
16	W14X257	W18x40	W16X26	207.638	30900.495	15634.570	8.200	19.241	8387.611	4550.832	3.684	OK	3.436	OK
15	W14X257	W18x40	W16X26	261.159	32044.104	16186.549	8.200	19.215	8387.183	4550.832	3.821	OK	3.557	OK
14	W14X257	W18x40	W16X26	316.010	31345.993	15833.910	8.200	19.092	8385.165	4550.832	3.738	OK	3.479	OK
13	W14X257	W18x40	W16X26	371.903	30632.603	15473.553	8.200	18.986	8383.427	4550.832	3.654	OK	3.400	OK
12	W14X283	W18x46	W16X26	430.721	31845.745	16093.062	8.350	19.334	9661.344	4550.832	3.296	OK	3.536	OK
11	W14X283	W18x46	W16X26	490.344	33030.996	16698.326	8.350	19.211	9659.290	4550.832	3.420	OK	3.669	OK
10	W14X283	W18x46	W16X26	550.782	32249.807	16303.408	8.350	19.024	9656.175	4550.832	3.340	OK	3.583	OK
9	W14X283	W18x46	W16X26	611.606	31460.803	15904.539	8.350	18.819	9652.752	4550.832	3.259	OK	3.495	OK
8	W14X311	W18x50	W16X26	673.215	32799.072	16557.095	8.550	18.773	10719.982	4550.832	3.060	OK	3.638	OK
7	W14X311	W18x50	W16X26	734.877	34126.290	17204.631	8.550	18.597	10716.972	4550.832	3.184	OK	3.781	OK
6	W14X311	W18x50	W16X26	796.786	33311.046	16793.629	8.550	18.334	10712.475	4550.832	3.110	OK	3.690	OK
5	W14X311	W18x50	W16X26	858.526	32495.287	16382.367	8.550	18.077	10708.085	4550.832	3.035	OK	3.600	OK
4	W14X370	W18x50	W16X26	922.011	36314.294	18278.747	8.950	17.973	10720.685	4550.832	3.387	OK	4.017	OK
3	W14X370	W18x50	W16X26	984.619	40117.874	20167.953	8.950	17.674	10715.333	4550.832	3.744	OK	4.432	OK
2	W14X370	W18x50	W16X26	1045.618	39283.244	19748.370	8.950	17.305	10708.728	4550.832	3.668	OK	4.340	OK
1	W14X370	W18x50	W16X26	1101.576	38493.516	19351.360	8.950	16.854	10700.655	4550.832	3.597	OK	4.252	OK

Cek Strong Kolom Weak Beam Kolom 2 (K2)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X176	W16X31	W16X31	22.258	11382.499	11382.499	7.600	7.398	5672.292	2779.920	2.007	OK	4.095	OK
19	W14X233	W18x40	W16X31	83.863	26544.714	13483.395	8.000	18.120	8361.978	2779.920	3.174	OK	4.850	OK
18	W14X257	W18x40	W16X31	145.854	31754.653	16066.830	8.200	18.877	8381.641	2779.920	3.789	OK	5.780	OK
17	W14X257	W18x40	W16X31	207.843	32785.555	16561.081	8.200	18.894	8381.920	2779.920	3.911	OK	5.957	OK
16	W14X283	W18x40	W16X31	270.308	33946.330	17154.557	8.350	19.241	8393.383	2779.920	4.044	OK	6.171	OK

15	W14X283	W18x40	W16X31	332.930	35098.970	17743.760	8.350	19.215	8392.947	2779.920	4.182	OK	6.383	OK
14	W14X283	W18x40	W16X31	395.523	34284.246	17331.888	8.350	19.092	8390.893	2779.920	4.086	OK	6.235	OK
13	W14X283	W18x40	W16X31	458.071	33470.003	16920.260	8.350	18.986	8389.123	2779.920	3.990	OK	6.087	OK
12	W14X311	W18x46	W16X31	521.023	34802.130	17568.317	8.550	19.334	9669.078	2779.920	3.599	OK	6.320	OK
11	W14X311	W18x46	W16X31	583.958	36126.027	18212.790	8.550	19.211	9666.974	2779.920	3.737	OK	6.552	OK
10	W14X311	W18x46	W16X31	646.860	35295.833	17794.251	8.550	19.024	9663.785	2779.920	3.652	OK	6.401	OK
9	W14X311	W18x46	W16X31	709.701	34466.259	17376.025	8.550	18.819	9660.280	2779.920	3.568	OK	6.251	OK
8	W14X342	W18x50	W16X31	772.991	36074.768	18164.665	8.750	18.773	10727.491	2779.920	3.363	OK	6.534	OK
7	W14X342	W18x50	W16X31	836.220	37677.170	18950.720	8.750	18.597	10724.411	2779.920	3.513	OK	6.817	OK
6	W14X342	W18x50	W16X31	899.263	36837.024	18528.146	8.750	18.334	10719.809	2779.920	3.436	OK	6.665	OK
5	W14X342	W18x50	W16X31	962.191	35998.880	18106.580	8.750	18.077	10715.316	2779.920	3.360	OK	6.513	OK
4	W14X426	W18x50	W16X31	1025.369	41945.730	21011.913	9.350	17.973	10735.064	2779.920	3.907	OK	7.558	OK
3	W14X426	W18x50	W16X31	1088.499	47872.390	23908.650	9.350	17.674	10729.472	2779.920	4.462	OK	8.600	OK
2	W14X426	W18x50	W16X31	1151.461	46995.798	23470.859	9.350	17.305	10722.572	2779.920	4.383	OK	8.443	OK
1	W14X426	W18x50	W16X31	1214.322	46121.077	23034.001	9.350	16.854	10714.138	2779.920	4.305	OK	8.286	OK

Cek Strong Kolom Weak Beam Kolom 3 (K3)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X159	W16X31	W16X31	20.525	10205.861	10205.861	7.500	7.398	5670.813	2779.920	1.800	OK	3.671	OK
19	W14X211	W18x40	W16X31	79.423	23746.265	12066.191	7.850	18.120	8356.543	2779.920	2.842	OK	4.340	OK
18	W14X233.	W18x40	W16X31	138.418	28355.378	14383.784	8.000	18.877	8374.090	2779.920	3.386	OK	5.174	OK
17	W14X233.	W18x40	W16X31	197.389	29254.601	14828.593	8.000	18.894	8374.362	2779.920	3.493	OK	5.334	OK
16	W14X257	W18x40	W16X31	256.681	30318.139	15339.937	8.200	19.241	8387.611	2779.920	3.615	OK	5.518	OK
15	W14X257	W18x40	W16X31	315.997	31374.923	15848.524	8.200	19.215	8387.183	2779.920	3.741	OK	5.701	OK
14	W14X257	W18x40	W16X31	375.373	30610.333	15462.304	8.200	19.092	8385.165	2779.920	3.651	OK	5.562	OK
13	W14X257	W18x40	W16X31	434.819	29844.906	15075.661	8.200	18.986	8383.427	2779.920	3.560	OK	5.423	OK
12	W14X283	W18x46	W16X31	494.665	31024.395	15678.003	8.350	19.334	9661.344	2779.920	3.211	OK	5.640	OK
11	W14X283	W18x46	W16X31	554.581	32196.973	16276.699	8.350	19.211	9659.290	2779.920	3.333	OK	5.855	OK
10	W14X283	W18x46	W16X31	614.598	31416.617	15882.201	8.350	19.024	9656.175	2779.920	3.254	OK	5.713	OK
9	W14X283	W18x46	W16X31	674.728	30634.868	15487.000	8.350	18.819	9652.752	2779.920	3.174	OK	5.571	OK
8	W14X311	W18x50	W16X31	735.384	31978.210	16142.690	8.550	18.773	10719.982	2779.920	2.983	OK	5.807	OK
7	W14X311	W18x50	W16X31	796.177	33311.719	16793.968	8.550	18.597	10716.972	2779.920	3.108	OK	6.041	OK
6	W14X311	W18x50	W16X31	857.124	32508.555	16389.056	8.550	18.334	10712.475	2779.920	3.035	OK	5.896	OK
5	W14X311	W18x50	W16X31	918.237	31703.279	15983.079	8.550	18.077	10708.085	2779.920	2.961	OK	5.749	OK

4	W14X426	W18x50	W16X31	980.075	40120.566	20111.087	9.350	17.973	10735.064	2779.920	3.737	OK	7.234	OK
3	W14X426	W18x50	W16X31	1042.043	48510.236	24227.206	9.350	17.674	10729.472	2779.920	4.521	OK	8.715	OK
2	W14X426	W18x50	W16X31	1104.153	47647.645	23796.407	9.350	17.305	10722.572	2779.920	4.444	OK	8.560	OK
1	W14X426	W18x50	W16X31	1166.359	46783.401	23364.782	9.350	16.854	10714.138	2779.920	4.367	OK	8.405	OK

Cek Strong Kolom Weak Beam Kolom 4 (K4)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio		
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Arah Y	Cek
20	W14X159	W18X35	W16X26	24.689	10180.271	10180.271	7.500	13.707	7052.444	4550.832	1.444	OK	2.237
19	W14X193	W21X50	W16X26	92.289	22383.465	11366.349	7.750	28.918	11773.828	4550.832	1.901	OK	2.498
18	W14X311	W21X55	W16X26	165.259	32820.918	16581.877	8.550	29.973	13485.502	4550.832	2.434	OK	3.644
17	W14X311	W21X55	W16X26	240.276	40740.534	20539.175	8.550	30.113	13487.896	4550.832	3.021	OK	4.513
16	W14X342	W24X55	W16X26	319.899	42186.372	21242.279	8.750	30.784	14438.320	4550.832	2.922	OK	4.668
15	W14X342	W24X55	W16X26	401.507	43584.150	21921.790	8.750	30.731	14437.392	4550.832	1.509	OK	4.817
14	W14X342	W24X55	W16X26	485.049	42485.330	21369.110	8.750	30.521	14433.717	4550.832	2.943	OK	4.696
13	W14X342	W24X55	W16X26	570.078	41363.749	20804.981	8.750	30.316	14430.130	4550.832	2.866	OK	4.572
12	W14X342	W24X62	W16X26	659.251	40204.702	20222.008	8.750	30.858	16395.859	4550.832	2.452	OK	4.444
11	W14X370	W24X62	W16X26	749.569	41240.386	20737.385	8.950	30.619	16403.924	4550.832	2.514	OK	4.557
10	W14X370	W24X62	W16X26	841.041	42251.734	21240.682	8.950	30.272	16397.716	4550.832	2.577	OK	4.667
9	W14X370	W24X62	W16X26	933.141	41012.202	20617.547	8.950	29.898	16391.022	4550.832	2.502	OK	4.531
8	W14X370	W24X68	W16X26	1029.842	39737.362	19976.663	8.950	30.268	18765.710	4550.832	2.118	OK	4.390
7	W14X426	W24X68	W16X26	1126.957	42991.599	21535.411	9.350	29.923	18783.473	4550.832	2.289	OK	4.732
6	W14X426	W24X68	W16X26	1224.370	46221.575	23084.193	9.350	29.416	18773.992	4550.832	2.462	OK	5.073
5	W14X426	W24X68	W16X26	1321.528	44868.917	22408.642	9.350	28.893	18764.211	4550.832	2.391	OK	4.924
4	W14X455	W24X76	W16X26	1421.669	45862.273	22918.423	9.500	28.866	21140.457	4550.832	2.169	OK	5.036
3	W14X455	W24X76	W16X26	1520.541	46840.444	23420.222	9.500	28.318	21130.045	4550.832	2.217	OK	5.146
2	W14X455	W24X76	W16X26	1616.792	45477.495	22738.747	9.500	27.700	21118.303	4550.832	2.153	OK	4.997
1	W14X455	W24X76	W16X26	1704.914	44189.636	22094.818	9.500	26.906	21103.217	4550.832	2.094	OK	4.855

Cek Strong Kolom Weak Beam Kolom 5 (K5)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio		
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Arah Y	Cek
20	W14X211	W18X35	W16X31	38.003	13800.949	13800.949	7.850	13.707	7062.038	5559.840	1.954	OK	2.482
19	W14X311	W21X50	W16X31	131.309	34642.654	17513.897	8.550	28.918	11820.097	5559.840	2.931	OK	3.150

18	W14X342	W21X55	W16X31	224.245	43541.699	21924.817	8.750	29.973	13497.492	5559.840	3.226	OK	3.943	OK
17	W14X342	W21X55	W16X31	317.082	44782.300	22524.430	8.750	30.113	13499.942	5559.840	3.317	OK	4.051	OK
16	W14X370	W24X55	W16X31	409.726	45811.716	23036.061	8.950	30.784	14450.633	5559.840	3.170	OK	4.143	OK
15	W14X370	W24X55	W16X31	502.481	46832.511	23543.518	8.950	30.731	14449.684	5559.840	3.241	OK	4.235	OK
14	W14X370	W24X55	W16X31	595.499	45578.117	22912.912	8.950	30.521	14445.925	5559.840	3.155	OK	4.121	OK
13	W14X370	W24X55	W16X31	688.780	44320.171	22280.521	8.950	30.316	14442.256	5559.840	3.069	OK	4.007	OK
12	W14X398	W24X62	W16X31	782.374	45324.902	22765.783	9.150	30.858	16420.545	5559.840	2.760	OK	4.095	OK
11	W14X398	W24X62	W16X31	876.272	46316.654	23245.062	9.150	30.619	16416.172	5559.840	2.821	OK	4.181	OK
10	W14X398	W24X62	W16X31	970.602	45028.016	22598.330	9.150	30.272	16409.825	5559.840	2.744	OK	4.065	OK
9	W14X398	W24X62	W16X31	1065.405	43733.183	21948.489	9.150	29.898	16402.981	5559.840	2.666	OK	3.948	OK
8	W14X455	W24X68	W16X31	1161.228	47126.809	23603.746	9.500	30.268	18799.005	5559.840	2.507	OK	4.245	OK
7	W14X455	W24X68	W16X31	1257.389	50497.780	25248.890	9.500	29.923	18792.450	5559.840	2.687	OK	4.541	OK
6	W14X455	W24X68	W16X31	1354.028	49151.057	24575.529	9.500	29.416	18782.817	5559.840	2.617	OK	4.420	OK
5	W14X455	W24X68	W16X31	1451.179	47797.420	23898.710	9.500	28.893	18772.879	5559.840	2.546	OK	4.298	OK
4	W14X500	W24X76	W16X31	1549.474	50291.735	25069.489	9.800	28.866	21157.776	5559.840	2.377	OK	4.509	OK
3	W14X500	W24X76	W16X31	1648.298	52758.771	26228.646	9.800	28.318	21147.035	5559.840	2.495	OK	4.718	OK
2	W14X500	W24X76	W16X31	1747.711	51342.793	25524.703	9.800	27.700	21134.923	5559.840	2.429	OK	4.591	OK
1	W14X500	W24X76	W16X31	1847.933	49916.829	24815.795	9.800	26.906	21119.360	5559.840	2.364	OK	4.463	OK

Cek Strong Kolom Weak Beam Kolom 6 (K6)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X211	W18X35	W16X31	39.813	13789.563	13789.563	7.850	13.707	7062.038	5559.840	1.953	OK	2.480	OK
19	W14X311	W21X50	W16X31	136.294	34598.381	17491.536	8.550	28.918	11820.097	5559.840	2.927	OK	3.146	OK
18	W14X370	W21X55	W16X31	233.701	45726.800	23017.384	8.950	29.973	13509.481	5559.840	3.385	OK	4.140	OK
17	W14X370	W21X55	W16X31	331.067	49178.521	24722.898	8.950	30.113	13511.987	5559.840	3.640	OK	4.447	OK
16	W14X398	W24X55	W16X31	428.817	50160.791	25194.823	9.150	30.784	14462.947	5559.840	3.468	OK	4.532	OK
15	W14X398	W24X55	W16X31	526.497	51131.773	25661.639	9.150	30.731	14461.977	5559.840	3.536	OK	4.616	OK
14	W14X398	W24X55	W16X31	624.141	49794.555	24990.526	9.150	30.521	14458.134	5559.840	3.444	OK	4.495	OK
13	W14X398	W24X55	W16X31	721.720	48458.029	24319.760	9.150	30.316	14454.382	5559.840	3.352	OK	4.374	OK
12	W14X426	W24X62	W16X31	819.791	49479.807	24769.930	9.350	30.858	16432.889	5559.840	3.011	OK	4.455	OK
11	W14X426	W24X62	W16X31	917.756	50488.573	25215.237	9.350	30.619	16428.419	5559.840	3.073	OK	4.535	OK
10	W14X426	W24X62	W16X31	1015.673	49126.802	24535.135	9.350	30.272	16421.934	5559.840	2.992	OK	4.413	OK
9	W14X426	W24X62	W16X31	1113.506	47765.948	23855.491	9.350	29.898	16414.940	5559.840	2.910	OK	4.291	OK
8	W14X455	W24X68	W16X31	1211.751	48774.735	24373.822	9.500	30.268	18799.005	5559.840	2.595	OK	4.384	OK

7	W14X455	W24X68	W16X31	1310.088	49776.766	24888.383	9.500	29.923	18792.450	5559.840	2.649	OK	4.476	OK
6	W14X455	W24X68	W16X31	1408.589	48401.838	24200.919	9.500	29.416	18782.817	5559.840	2.577	OK	4.353	OK
5	W14X455	W24X68	W16X31	1507.252	47024.633	23512.317	9.500	28.893	18772.879	5559.840	2.505	OK	4.229	OK
4	W14X500	W24X76	W16X31	1606.866	49490.118	24669.852	9.800	28.866	21157.776	5559.840	2.339	OK	4.437	OK
3	W14X500	W24X76	W16X31	1706.620	51932.243	25817.744	9.800	28.318	21147.035	5559.840	2.456	OK	4.644	OK
2	W14X500	W24X76	W16X31	1806.543	50505.979	25108.686	9.800	27.700	21134.923	5559.840	2.390	OK	4.516	OK
1	W14X500	W24X76	W16X31	1906.681	49076.971	24398.266	9.800	26.906	21119.360	5559.840	2.324	OK	4.388	OK

Tabel Kontrol Strong Kolom Weak Beam Struktur BOF
Cek Strong Kolom Weak Beam Kolom 1 (K1)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi in	Vu pakai Kips	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X90	W16x26	W10x33	44.393	5388.992	2594.954	7	6.137	2318.375	1997.424	2.324	OK	1.299	OK
19	W14X90	W16x31	W12x26	123.536	10309.100	4964.127	7	17.831	2904.737	1915.056	3.549	OK	2.592	OK
18	W14X90	W16x31	W12x26	163.813	9601.593	4623.442	7	20.217	2921.439	1915.056	3.287	OK	2.414	OK
17	W14X90	W16x31	W12x26	204.190	9123.756	4393.350	7	20.554	2923.798	1915.056	3.121	OK	2.294	OK
16	W14X109	W16x36	W12x26	245.545	9881.001	4764.967	7.15	22.599	3456.303	1915.056	2.859	OK	2.488	OK
15	W14X109	W16x36	W12x26	286.964	10628.946	5131.788	7.15	22.748	3457.368	1915.056	3.074	OK	2.680	OK
14	W14X109	W16x36	W12x26	328.322	10132.284	4891.993	7.15	22.570	3456.096	1915.056	2.932	OK	2.554	OK
13	W14X109	W16x36	W12x26	369.653	9636.150	4652.454	7.15	22.665	3456.775	1915.056	2.788	OK	2.429	OK
12	W14X132	W16x36	W12x26	411.462	10636.584	5136.031	7.35	23.449	3467.070	1915.056	3.068	OK	2.682	OK
11	W14X132	W16x36	W12x26	453.294	11632.719	5617.510	7.35	23.842	3469.959	1915.056	3.352	OK	2.933	OK
10	W14X132	W16x36	W12x26	498.254	11109.283	5364.739	7.35	19.975	3441.536	1915.056	3.228	OK	2.801	OK
9	W14X145	W16x40	W12x26	631.672	10033.498	4845.236	7.35	19.893	3440.934	1915.056	2.916	OK	2.530	OK
8	W14X145	W16x40	W12x26	673.903	9871.041	4917.295	7.4	24.682	3940.687	1915.056	2.505	OK	2.568	OK
7	W14X145	W16x40	W12x26	716.120	10256.160	5246.420	7.4	24.426	3938.792	1915.056	2.604	OK	2.740	OK
6	W14X145	W16x40	W12x26	758.251	9742.565	4983.697	7.4	24.180	3936.972	1915.056	2.475	OK	2.602	OK
5	W14X145	W16x40	W12x26	800.087	9231.291	4722.160	7.4	23.242	3930.031	1915.056	2.349	OK	2.466	OK
4	W14X159	W16x45	W12x26	842.054	9645.340	4919.380	7.5	22.368	4404.564	1915.056	2.190	OK	2.569	OK
3	W14X159	W16x45	W12x26	883.779	10057.703	5116.462	7.5	21.778	4400.139	1915.056	2.286	OK	2.672	OK
2	W14X159	W16x45	W12x26	925.201	9546.714	4856.516	7.5	21.038	4394.589	1915.056	2.172	OK	2.536	OK
1	W14X159	W16x45	W12x26	966.263	9039.799	4598.644	7.5	20.993	4394.252	1915.056	2.057	OK	2.401	OK

Cek Strong Kolom Weak Beam Kolom 2 (K2)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi in	Vu pakai Kips	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X99	W16x26	W10x33	5.718	6194.006	6194.006	7.1	6.137	4637.977	3994.848	1.335	OK	1.550	OK
19	W14X109	W16x31	W12x30	93.393	12545.648	6059.825	7.15	17.831	5814.823	4437.576	2.158	OK	1.366	OK
18	W14X109	W16x31	W12x30	153.225	12344.292	5959.978	7.15	20.217	5848.943	4437.576	2.111	OK	1.343	OK
17	W14X109	W16x31	W12x30	212.988	11626.722	5613.527	7.15	20.554	5853.762	4437.576	1.986	OK	1.265	OK
16	W14X120	W16x36	W12x30	273.356	11624.387	5602.333	7.25	22.599	6917.126	4437.576	1.681	OK	1.262	OK
15	W14X120	W16x36	W12x30	333.771	11617.798	5589.695	7.25	22.748	6919.286	4437.576	1.679	OK	1.260	OK

14	W14X120	W16x36	W12x30	394.261	10891.683	5240.338	7.25	22.570	6916.705	4437.576	1.575	OK	1.181	OK
13	W14X120	W16x36	W12x30	454.843	10164.565	4890.498	7.25	22.665	6918.083	4437.576	1.469	OK	1.102	OK
12	W14X145	W16x36	W12x30	515.949	11118.755	5538.669	7.4	23.449	6936.485	4437.576	1.603	OK	1.248	OK
11	W14X145	W16x36	W12x30	577.067	12064.633	6171.524	7.4	23.842	6942.302	4437.576	1.738	OK	1.391	OK
10	W14X145	W16x36	W12x30	574.533	11707.916	5989.049	7.4	19.975	6885.070	4437.576	1.700	OK	1.350	OK
9	W14X145	W16x36	W12x30	726.020	10800.942	5525.097	7.4	19.893	6883.856	4437.576	1.569	OK	1.245	OK
8	W14X176	W16x40	W12x30	788.582	11587.720	5913.181	7.6	24.682	7891.246	4437.576	1.468	OK	1.333	OK
7	W14X176	W16x40	W12x30	851.062	12910.925	6576.502	7.6	24.426	7887.355	4437.576	1.637	OK	1.482	OK
6	W14X176	W16x40	W12x30	913.501	12139.225	6183.418	7.6	24.180	7883.616	4437.576	1.540	OK	1.393	OK
5	W14X176	W16x40	W12x30	975.874	11368.185	5790.669	7.6	23.242	7869.358	4437.576	1.445	OK	1.305	OK
4	W14X257	W16x45	W12x30	1038.640	16332.725	8273.498	8.2	22.368	8840.443	4437.576	1.848	OK	1.864	OK
3	W14X257	W16x45	W12x30	1101.408	21278.241	10748.352	8.2	21.778	8830.767	4437.576	2.410	OK	2.422	OK
2	W14X257	W16x45	W12x30	1164.163	20469.647	10339.904	8.2	21.038	8818.631	4437.576	2.321	OK	2.330	OK
1	W14X257	W16x45	W12x30	1226.950	19660.931	9931.394	8.2	20.993	8817.893	4437.576	2.230	OK	2.238	OK

Cek Strong Kolom Weak Beam Kolom 3 (K3)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X159	W16x26	W10x33	15.512	10236.669	10236.669	7.5	6.137	4596.860	3437.280	2.227	OK	2.978	OK
19	W14X176	W16x31	W12x30	71.073	21317.608	10851.858	7.6	17.831	5695.356	2347.171	3.743	OK	4.623	OK
18	W14X193	W16x31	W12x30	131.674	23037.976	11707.077	7.75	20.217	5716.522	2347.171	4.030	OK	4.988	OK
17	W14X193	W16x31	W12x30	192.217	23535.681	11933.585	7.75	20.554	5719.134	2347.171	4.115	OK	5.084	OK
16	W14X211	W16x36	W12x30	252.983	24027.299	12190.948	7.85	22.599	6766.842	2347.171	3.551	OK	5.194	OK
15	W14X211	W16x36	W12x30	313.696	24515.406	12446.283	7.85	22.748	6768.012	2347.171	3.622	OK	5.303	OK
14	W14X211	W16x36	W12x30	374.375	23751.811	12058.612	7.85	22.570	6766.615	2347.171	3.510	OK	5.138	OK
13	W14X211	W16x36	W12x30	434.991	22988.827	11671.251	7.85	22.665	6767.360	2347.171	3.397	OK	4.972	OK
12	W14X233	W16x36	W12x30	495.938	23843.139	12094.802	8	23.449	6777.032	2347.171	3.518	OK	5.153	OK
11	W14X233	W16x36	W12x30	556.844	24691.081	12515.433	8	23.842	6780.176	2347.171	3.642	OK	5.332	OK
10	W14X233	W16x36	W12x30	556.955	24302.710	12318.575	8	19.975	6749.240	2347.171	3.601	OK	5.248	OK
9	W14X233	W16x36	W12x30	649.623	23712.175	12019.245	8	19.893	6748.584	2347.171	3.514	OK	5.121	OK
8	W14X257	W16x40	W12x30	710.599	24515.637	12403.869	8.2	24.682	7718.472	2347.171	3.176	OK	5.285	OK
7	W14X257	W16x40	W12x30	771.623	25515.824	12888.897	8.2	24.426	7716.373	2347.171	3.307	OK	5.491	OK
6	W14X257	W16x40	W12x30	832.690	24729.338	12491.616	8.2	24.180	7714.356	2347.171	3.206	OK	5.322	OK
5	W14X257	W16x40	W12x30	893.812	23942.221	12094.017	8.2	23.242	7706.664	2347.171	3.107	OK	5.153	OK
4	W14X283	W16x45	W12x30	955.433	25069.620	12668.843	8.35	22.368	8660.381	2347.171	2.895	OK	5.397	OK

3	W14X283	W16x45	W12x30	1017.107	26189.466	13239.693	8.35	21.778	8655.454	2347.171	3.026	OK	5.641	OK
2	W14X283	W16x45	W12x30	1078.860	25386.376	12833.703	8.35	21.038	8649.275	2347.171	2.935	OK	5.468	OK
1	W14X283	W16x45	W12x30	1140.639	24582.602	12427.367	8.35	20.993	8648.900	2347.171	2.842	OK	5.295	OK

Cek Strong Kolom Weak Beam Kolom 4 (K4)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X99	W10x33	W16x26	26.095	6072.865	6072.865	7.1	11.837	4718.917	1128.442	1.287	OK	5.382	OK
19	W14X109	W12x26	W18x35	98.575	12393.415	5986.273	7.15	29.229	7264.815	1659.715	1.706	OK	3.607	OK
18	W14X109	W12x26	W18x35	161.518	12263.442	5920.943	7.15	32.735	7314.951	1659.715	1.676	OK	3.567	OK
17	W14X109	W12x26	W18x35	224.685	11506.782	5555.618	7.15	33.564	7326.805	1659.715	1.571	OK	3.347	OK
16	W14X120	W12x26	W18x40	288.843	11461.195	5523.698	7.25	34.772	8576.258	2048.904	1.336	OK	2.696	OK
15	W14X120	W12x26	W18x40	353.087	11408.783	5489.131	7.25	35.042	8580.173	2048.904	1.330	OK	2.679	OK
14	W14X120	W12x26	W18x40	417.280	10637.433	5118.010	7.25	34.956	8578.926	2048.904	1.240	OK	2.498	OK
13	W14X120	W12x26	W18x40	481.519	9866.114	4746.904	7.25	35.230	8582.899	2048.904	1.150	OK	2.317	OK
12	W14X159	W12x26	W18x40	546.623	11712.826	5827.714	7.5	36.758	8623.434	2048.904	1.358	OK	2.844	OK
11	W14X159	W12x26	W18x40	611.830	13544.599	6890.284	7.5	37.301	8631.579	2048.904	1.569	OK	3.363	OK
10	W14X159	W12x26	W18x40	642.479	12955.506	6590.606	7.5	31.637	8546.619	2048.904	1.516	OK	3.217	OK
9	W14X159	W12x26	W18x40	757.248	12061.823	6135.980	7.5	31.572	8545.644	2048.904	1.411	OK	2.995	OK
8	W14X193	W12x26	W18x46	823.126	13313.711	6760.089	7.75	38.994	9942.879	2409.264	1.339	OK	2.806	OK
7	W14X193	W12x26	W18x46	888.756	14860.738	7535.022	7.75	38.530	9935.687	2409.264	1.496	OK	3.128	OK
6	W14X193	W12x26	W18x46	954.137	14041.919	7119.846	7.75	38.076	9928.650	2409.264	1.414	OK	2.955	OK
5	W14X193	W12x26	W18x46	1019.002	13227.881	6707.095	7.75	36.713	9907.524	2409.264	1.335	OK	2.784	OK
4	W14X257	W12x26	W18x50	1084.136	16959.451	8579.024	8.2	36.552	10998.413	3418.272	1.542	OK	2.510	OK
3	W14X257	W12x26	W18x50	1148.977	20678.735	10445.521	8.2	35.834	10986.638	3418.272	1.882	OK	3.056	OK
2	W14X257	W12x26	W18x50	1213.390	19846.107	10024.933	8.2	34.735	10968.614	3418.272	1.809	OK	2.933	OK
1	W14X257	W12x26	W18x50	1277.353	19019.134	9607.201	8.2	34.255	10960.742	3418.272	1.735	OK	2.811	OK

Cek Strong Kolom Weak Beam Kolom 5 (K5)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X193	W16x26	W10x33	32.434	12577.288	12577.288	7.75	11.837	7884.882	2439.360	1.595	OK	5.156	OK
19	W14X211	W18x35	W12x30	112.722	25908.230	13145.233	7.85	29.229	12045.855	1665.734	2.151	OK	7.892	OK
18	W14X211	W18x35	W12x30	211.592	26039.960	13220.288	7.85	32.735	12100.900	1665.734	2.152	OK	7.937	OK

17	W14X211	W18x35	W12x30	310.527	24795.703	12588.588	7.85	33.564	12113.915	1665.734	2.047	OK	7.557	OK
16	W14X233	W18x40	W12x30	409.775	25174.482	12770.269	8	34.772	14216.768	1665.734	1.771	OK	7.666	OK
15	W14X233	W18x40	W12x30	508.878	25544.807	12948.171	8	35.042	14221.088	1665.734	1.796	OK	7.773	OK
14	W14X233	W18x40	W12x30	607.986	24283.201	12308.687	8	34.956	14219.712	1665.734	1.708	OK	7.389	OK
13	W14X233	W18x40	W12x30	707.094	23021.564	11669.187	8	35.230	14224.096	1665.734	1.618	OK	7.005	OK
12	W14X257	W18x40	W12x30	806.679	23530.909	11905.811	8.2	36.758	14263.247	1665.734	1.650	OK	7.147	OK
11	W14X257	W18x40	W12x30	906.385	24028.786	12137.744	8.2	37.301	14272.152	1665.734	1.684	OK	7.287	OK
10	W14X257	W18x40	W12x30	979.363	22916.391	11575.836	8.2	31.637	14179.263	1665.734	1.616	OK	6.949	OK
9	W14X257	W18x40	W12x30	1082.164	21784.058	11003.857	8.2	31.572	14178.197	1665.734	1.536	OK	6.606	OK
8	W14X311	W18x46	W12x30	1182.324	24468.683	12346.217	8.55	38.994	16470.365	1665.734	1.486	OK	7.412	OK
7	W14X311	W18x46	W12x30	1282.542	27154.357	13689.759	8.55	38.530	16462.431	1665.734	1.649	OK	8.218	OK
6	W14X311	W18x46	W12x30	1382.876	25831.240	13022.715	8.55	38.076	16454.668	1665.734	1.570	OK	7.818	OK
5	W14X311	W18x46	W12x30	1483.338	24506.514	12354.859	8.55	36.713	16431.360	1665.734	1.491	OK	7.417	OK
4	W14X370	W18x50	W12x30	1585.030	27715.276	13949.982	8.95	36.552	18252.521	1665.734	1.518	OK	8.375	OK
3	W14X370	W18x50	W12x30	1686.573	30901.176	15534.559	8.95	35.834	18239.669	1665.734	1.694	OK	9.326	OK
2	W14X370	W18x50	W12x30	1787.970	29530.866	14845.680	8.95	34.735	18219.997	1665.734	1.621	OK	8.912	OK
1	W14X370	W18x50	W12x30	1889.469	28160.852	14156.950	8.95	34.255	18211.405	1665.734	1.546	OK	8.499	OK

Cek Strong Kolom Weak Beam Kolom 6 (K6)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X193	W16x26	W10x33	36.970	12548.938	12548.938	7.75	11.837	4034.178	2439.360	3.111	OK	5.144	OK
19	W14X211	W18x35	W12x30	130.103	25770.548	13075.351	7.85	29.229	6252.375	1665.734	4.122	OK	7.850	OK
18	W14X211	W18x35	W12x30	223.647	25854.798	13126.282	7.85	32.735	6307.420	1665.734	4.099	OK	7.880	OK
17	W14X211	W18x35	W12x30	317.283	24677.376	12528.514	7.85	33.564	6320.435	1665.734	3.904	OK	7.521	OK
16	W14X233	W18x40	W12x30	411.404	25121.616	12743.438	8	34.772	7386.560	1665.734	3.401	OK	7.650	OK
15	W14X233	W18x40	W12x30	505.617	25555.195	12953.436	8	35.042	7390.880	1665.734	3.458	OK	7.776	OK
14	W14X233	W18x40	W12x30	599.975	24354.947	12345.054	8	34.956	7389.504	1665.734	3.296	OK	7.411	OK
13	W14X233	W18x40	W12x30	694.502	23152.701	11735.658	8	35.230	7393.888	1665.734	3.131	OK	7.045	OK
12	W14X257	W18x40	W12x30	789.424	23722.209	12002.583	8.2	36.758	7433.039	1665.734	3.191	OK	7.206	OK
11	W14X257	W18x40	W12x30	884.455	24281.208	12265.251	8.2	37.301	7441.944	1665.734	3.263	OK	7.363	OK
10	W14X257	W18x40	W12x30	979.655	23055.778	11546.245	8.2	31.637	7349.055	1665.734	3.137	OK	6.992	OK
9	W14X257	W18x40	W12x30	1075.099	21827.688	11025.896	8.2	31.572	7347.989	1665.734	2.971	OK	6.619	OK
8	W14X311	W18x46	W12x30	1170.739	24590.625	12407.738	8.55	38.994	8568.581	1665.734	2.870	OK	7.449	OK
7	W14X311	W18x46	W12x30	1266.611	27335.890	13781.278	8.55	38.530	8560.647	1665.734	3.193	OK	8.273	OK

6	W14X311	W18x46	W12x30	1362.766	26069.016	13142.589	8.55	38.076	8552.884	1665.734	3.048	OK	7.890	OK
5	W14X311	W18x46	W12x30	1459.170	24798.632	12502.130	8.55	36.713	8529.576	1665.734	2.907	OK	7.505	OK
4	W14X370	W18x50	W12x30	1556.146	28069.755	14128.413	8.95	36.552	9453.401	1665.734	2.969	OK	8.482	OK
3	W14X370	W18x50	W12x30	1653.718	31318.056	15744.131	8.95	35.834	9440.549	1665.734	3.317	OK	9.452	OK
2	W14X370	W18x50	W12x30	1751.939	29996.004	15079.513	8.95	34.735	9420.877	1665.734	3.184	OK	9.053	OK
1	W14X370	W18x50	W12x30	1850.872	28664.762	14410.275	8.95	34.255	9412.285	1665.734	3.045	OK	8.651	OK

Tabel Kontrol Strong Kolom Weak Beam Struktur Global Brace

Cek Strong Kolom Weak Beam Kolom 1 (K1)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X82	W16x26	W10x33	29.423	4833.59	1557.877	7.15	6.137	2319.296	1997.424	2.0841	OK	2	OK
19	W14X90	W16x26	W12x22	67.048	10088.4	4088.201	7	17.831	2400.233	1508.364	4.2031	OK	2.710354	OK
18	W14X90	W16x26	W12x22	107.068	10272.4	4946.477	7	20.217	2416.935	1508.364	4.2502	OK	3.279365	OK
17	W14X90	W16x26	W12x22	146.688	9800.62	4719.277	7	20.554	2419.294	1508.364	4.051	OK	3.128739	OK
16	W14X99	W16x31	W12x22	264.382	9439.19	4553.194	7.1	22.599	2940.373	1508.364	3.2102	OK	3.018631	OK
15	W14X99	W16x31	W12x22	303.262	9081.35	4388.443	7.1	22.748	2941.431	1508.364	3.0874	OK	2.909406	OK
14	W14X99	W16x31	W12x22	341.939	8620.27	4165.633	7.1	22.57	2940.167	1508.364	2.9319	OK	2.761689	OK
13	W14X99	W16x31	W12x22	380.902	8158.7	3942.585	7.1	22.665	2940.842	1508.364	2.7743	OK	2.613815	OK
12	W14X120	W16x31	W12x22	540.632	8348.68	4025.159	7.25	23.449	2949.925	1508.364	2.8301	OK	2.668559	OK
11	W14X120	W16x31	W12x22	580.305	8532.03	4105.032	7.25	23.842	2952.775	1508.364	2.8895	OK	2.721513	OK
10	W14X120	W16x31	W12x22	619.629	8057.6	3876.769	7.25	19.975	2924.739	1508.364	2.755	OK	2.570181	OK
9	W14X120	W16x31	W12x22	659.169	7583.97	3648.89	7.25	19.893	2924.144	1508.364	2.5936	OK	2.419104	OK
8	W14X159	W16x36	W12x22	842.237	8929.19	4390.201	7.5	24.682	3479.835	1508.364	2.5372	OK	2.910571	OK
7	W14X159	W16x36	W12x22	882.897	10062	5118.647	7.5	24.426	3477.915	1508.364	2.8931	OK	3.393509	OK
6	W14X159	W16x36	W12x22	923.22	9564.31	4865.467	7.5	24.18	3476.07	1508.364	2.7515	OK	3.225659	OK
5	W14X159	W16x36	W12x22	963.75	9087.42	4612.693	7.5	23.242	3469.035	1508.364	2.6138	OK	3.058077	OK
4	W14X193	W16x40	W12x22	1173.187	9856.75	5005.145	7.75	22.368	3931.392	1508.364	2.5072	OK	3.318261	OK
3	W14X193	W16x40	W12x22	1215.02	10633.7	5391.738	7.75	21.778	3926.82	1508.364	2.708	OK	3.574561	OK
2	W14X193	W16x40	W12x22	1256.706	10111.7	5127.065	7.75	21.038	3921.085	1508.364	2.5788	OK	3.39909	OK
1	W14X193	W16x40	W12x22	1298.091	9592.52	4863.812	7.75	20.993	3920.736	1508.364	2.4466	OK	3.224561	OK

Cek Strong Kolom Weak Beam Kolom 2 (K2)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X109	W16x26	W10x33	22.29	6778.26	6778.26	7.15	6.137	4638.591	1997.424	1.4613	OK	3.393501	OK
19	W14X120	W16x26	W12x30	89.431	13873.2	6686.216	7.25	17.831	4809.382	2218.788	2.8846	OK	3.013454	OK

18	W14X120	W16x26	W12x30	149.791	13827.3	6652.764	7.25	20.217	4843.979	2218.788	2.8545	OK	2.998377	OK
17	W14X120	W16x26	W12x30	202.974	13145.4	6324.679	7.25	20.554	4848.865	2218.788	2.711	OK	2.850511	OK
16	W14X132	W16x31	W12x30	264.434	13242.2	6383.373	7.35	22.599	5892.045	2218.788	2.2475	OK	2.876964	OK
15	W14X132	W16x31	W12x30	335.809	13228	6387.87	7.35	22.748	5894.236	2218.788	2.2442	OK	2.878991	OK
14	W14X132	W16x31	W12x30	397.139	12427.6	6001.383	7.35	22.57	5891.619	2218.788	2.1094	OK	2.704803	OK
13	W14X132	W16x31	W12x30	461.115	11671.9	5636.446	7.35	22.665	5893.016	2218.788	1.9806	OK	2.540326	OK
12	W14X159	W16x31	W12x30	523.463	12758	6344.54	7.5	23.449	5911.575	2218.788	2.1581	OK	2.859462	OK
11	W14X159	W16x31	W12x30	603.221	13739.8	6989.605	7.5	23.842	5917.47	2218.788	2.3219	OK	3.15019	OK
10	W14X159	W16x31	W12x30	657.987	12913.1	6569.037	7.5	19.975	5859.465	2218.788	2.2038	OK	2.960642	OK
9	W14X159	W16x31	W12x30	741.88	12061	6135.542	7.5	19.893	5858.235	2218.788	2.0588	OK	2.765267	OK
8	W14X193	W16x36	W12x30	805.838	13516.2	6862.92	7.75	24.682	6972.011	2218.788	1.9386	OK	3.093094	OK
7	W14X193	W16x36	W12x30	895.394	14927.3	7588.772	7.75	24.426	6968.043	2218.788	2.1423	OK	3.411219	OK
6	W14X193	W16x36	W12x30	958.557	13972.8	7084.803	7.75	24.18	6964.23	2218.788	2.0064	OK	3.193096	OK
5	W14X193	W16x36	W12x30	1030.86	13126.1	6655.51	7.75	23.242	6949.691	2218.788	1.8887	OK	2.999615	OK
4	W14X257	W16x40	W12x30	1094.628	16817.8	8507.305	8.2	22.368	7882.915	2218.788	2.1334	OK	3.834213	OK
3	W14X257	W16x40	W12x30	1175.45	20440.6	10325.24	8.2	21.778	7873.239	2218.788	2.5962	OK	4.653549	OK
2	W14X257	W16x40	W12x30	1238.261	19515.4	9857.861	8.2	21.038	7861.103	2218.788	2.4825	OK	4.442904	OK
1	W14X257	W16x40	W12x30	1322.728	18566.6	9378.623	8.2	20.993	7860.365	2218.788	2.3621	OK	4.226913	OK

Cek Strong Kolom Weak Beam Kolom 3 (K3)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X145	W16x26	W10x33	21.557	9228.74	9228.74	7.4	6.137	4641.66	3437.28	1.9882	OK	2.684896	OK
19	W14X176	W16x26	W12x30	81.945	20242.5	10331	7.6	17.831	4821.863	2347.1712	4.1981	OK	4.401467	OK
18	W14X176	W16x26	W12x30	119.791	21793.8	11101.19	7.6	20.217	4858.13	2347.1712	4.486	OK	4.729605	OK
17	W14X176	W16x26	W12x30	180.628	21184.1	10790.67	7.6	20.554	4863.253	2347.1712	4.356	OK	4.597307	OK
16	W14X193	W16x31	W12x30	241.642	21673.9	11013.85	7.75	22.599	5910.125	2347.1712	3.6672	OK	4.692392	OK
15	W14X193	W16x31	W12x30	302.622	22158.4	11235.22	7.75	22.748	5912.434	2347.1712	3.7478	OK	4.786707	OK
14	W14X193	W16x31	W12x30	336.534	21565.3	10934.51	7.75	22.57	5909.675	2347.1712	3.6491	OK	4.658589	OK
13	W14X193	W16x31	W12x30	397.574	20971.8	10633.6	7.75	22.665	5911.148	2347.1712	3.5478	OK	4.53039	OK
12	W14X211	W16x31	W12x30	458.863	21448.8	10882.68	7.85	23.449	5927.989	2347.1712	3.6182	OK	4.636509	OK

11	W14X211	W16x31	W12x30	520.029	21922.5	11129.86	7.85	23.842	5934.159	2347.1712	3.6943	OK	4.741819	OK
10	W14X211	W16x31	W12x30	548.209	21360.4	10844.53	7.85	19.975	5873.448	2347.1712	3.6368	OK	4.620255	OK
9	W14X211	W16x31	W12x30	609.401	20798.3	10559.12	7.85	19.893	5872.16	2347.1712	3.5418	OK	4.498656	OK
8	W14X233	W16x36	W12x30	670.738	21633.4	10973.86	8	24.682	6984.352	2347.1712	3.0974	OK	4.675356	OK
7	W14X233	W16x36	W12x30	732.041	22463.4	11386.25	8	24.426	6980.256	2347.1712	3.2181	OK	4.85105	OK
6	W14X233	W16x36	W12x30	762.104	21881.8	11091.47	8	24.18	6976.32	2347.1712	3.1366	OK	4.725464	OK
5	W14X233	W16x36	W12x30	823.746	21298.1	10795.61	8	23.242	6961.312	2347.1712	3.0595	OK	4.599412	OK
4	W14X257	W16x40	W12x30	885.668	22279.6	11272.43	8.2	22.368	7882.915	2347.1712	2.8263	OK	4.80256	OK
3	W14X257	W16x40	W12x30	947.414	23255.7	11747.21	8.2	21.778	7873.239	2347.1712	2.9538	OK	5.004837	OK
2	W14X257	W16x40	W12x30	996.917	22539	11385.21	8.2	21.038	7861.103	2347.1712	2.8672	OK	4.850609	OK
1	W14X257	W16x40	W12x30	1058.985	21820.3	11022.16	8.2	20.993	7860.365	2347.1712	2.776	OK	4.695934	OK

Cek Strong Kolom Weak Beam Kolom4 (K4)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X90	W10x33	W16x26	22.485	5518.79	5518.787	7	11.837	4716.55	1441.44	1.1701	OK	3.828662	OK
19	W14X99	W12x22	W18x35	86.15	11234.6	5419.558	7.1	29.229	7261.892	829.8576	1.5471	OK	6.530708	OK
18	W14X99	W12x22	W18x35	150.103	11051.5	5340.48	7.1	32.735	7311.677	829.8576	1.5115	OK	6.435417	OK
17	W14X99	W12x22	W18x35	214.71	10287.2	4971.146	7.1	33.564	7323.449	829.8576	1.4047	OK	5.99036	OK
16	W14X109	W12x22	W18x35	280.795	10178.8	4916.542	7.15	34.772	7344.08	829.8576	1.386	OK	5.924561	OK
15	W14X109	W12x22	W18x35	346.749	10058.7	4856.483	7.15	35.042	7347.941	829.8576	1.3689	OK	5.852189	OK
14	W14X109	W12x22	W18x35	412.328	9269.54	4475.449	7.15	34.956	7346.711	829.8576	1.2617	OK	5.393032	OK
13	W14X109	W12x22	W18x35	478.438	8479.4	4093.962	7.15	35.23	7350.629	829.8576	1.1536	OK	4.933331	OK
12	W14X145	W12x22	W18x40	546.168	10075.8	5038.046	7.4	36.758	8616.082	1024.452	1.1694	OK	4.917796	OK
11	W14X145	W12x22	W18x40	613.394	11659.4	5964.25	7.4	37.301	8624.119	1024.452	1.352	OK	5.821893	OK
10	W14X145	W12x22	W18x40	679.869	10845.3	5547.804	7.4	31.637	8540.292	1024.452	1.2699	OK	5.415387	OK
9	W14X145	W12x22	W18x40	746.722	10033.5	5132.52	7.4	31.572	8539.33	1024.452	1.175	OK	5.010015	OK
8	W14X193	W12x22	W18x46	815.308	12497.5	6358.422	7.75	38.994	9942.879	1204.632	1.2569	OK	5.278311	OK
7	W14X193	W12x22	W18x46	883.113	14944.9	7577.68	7.75	38.53	9935.687	1204.632	1.5042	OK	6.290452	OK
6	W14X193	W12x22	W18x46	949.792	14104.3	7151.498	7.75	38.076	9928.65	1204.632	1.4206	OK	5.936666	OK
5	W14X193	W12x22	W18x46	1016.453	13271	6728.942	7.75	36.713	9907.524	1204.632	1.3395	OK	5.58589	OK

4	W14X257	W12x22	W18x50	1084.37	16973.9	8586.341	8.2	36.552	10998.41	1709.136	1.5433	OK	5 02379	OK
3	W14X257	W12x22	W18x50	1151.575	20660.5	10436.31	8.2	35.834	10986.64	1709.136	1.8805	OK	6 106188	OK
2	W14X257	W12x22	W18x50	1217.642	19802	10002.64	8.2	34.735	10968.61	1709.136	1.8053	OK	5 852456	OK
1	W14X257	W12x22	W18x50	1282.855	18956.3	9575.462	8.2	34.255	10960.74	1709.136	1.7295	OK	5 602516	OK

Cek Strong Kolom Weak Beam Kolom 5 (K5)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X193	W16x26	W10x33	39.922	12530.5	12530.49	7.75	11.837	4034.178	2439.36	3.1061	OK	5.136793	OK
19	W14X193	W18x35	W12x30	137.346	24452.1	12398.24	7.75	29.229	6246.53	1665.7344	3.9145	OK	7.443105	OK
18	W14X193	W18x35	W12x30	234.951	23233.1	11780.19	7.75	32.735	6300.873	1665.7344	3.6873	OK	7.072067	OK
17	W14X193	W18x35	W12x30	332.643	22012.5	11161.29	7.75	33.564	6313.722	1665.7344	3.4865	OK	6.70052	OK
16	W14X211	W18x35	W12x30	430.723	22031.6	11178.31	7.85	34.772	6339.4	1665.7344	3.4753	OK	6.710743	OK
15	W14X211	W18x35	W12x30	528.702	22044.9	11192.03	7.85	35.042	6343.639	1665.7344	3.4751	OK	6.718976	OK
14	W14X211	W18x35	W12x30	626.756	20811.8	10565.99	7.85	34.956	6342.289	1665.7344	3.2814	OK	6.343141	OK
13	W14X211	W18x35	W12x30	724.82	19578.2	9939.677	7.85	35.23	6346.591	1665.7344	3.0848	OK	5.967144	OK
12	W14X233	W18x40	W12x30	823.414	19935.6	10112.69	8	36.758	7418.336	1665.7344	2.6873	OK	6.07101	OK
11	W14X233	W18x40	W12x30	922.006	20282.5	10280.79	8	37.301	7427.024	1665.7344	2.7309	OK	6.171927	OK
10	W14X233	W18x40	W12x30	1020.724	19026.6	9644.214	8	31.637	7336.4	1665.7344	2.5935	OK	5.789767	OK
9	W14X233	W18x40	W12x30	1119.527	17769.4	9006.957	8	31.572	7335.36	1665.7344	2.4224	OK	5.407199	OK
8	W14X283	W18x46	W12x30	1218.839	20151.8	10198.95	8.35	38.994	8552.984	1665.7344	2.3561	OK	6.122794	OK
7	W14X283	W18x46	W12x30	1318.265	22516.1	11382.66	8.35	38.53	8545.235	1665.7344	2.6349	OK	6.833421	OK
6	W14X283	W18x46	W12x30	1417.933	21220.6	10727.78	8.35	38.076	8537.653	1665.7344	2.4855	OK	6.440271	OK
5	W14X283	W18x46	W12x30	1517.814	19922.3	10071.4	8.35	36.713	8514.891	1665.7344	2.3397	OK	6.046223	OK
4	W14X342	W18x50	W12x30	1619.024	23056.1	11621.31	8.75	36.552	9438.78	1665.7344	2.4427	OK	6.976689	OK
3	W14X342	W18x50	W12x30	1720.163	26166.8	13161.29	8.75	35.834	9426.215	1665.7344	2.776	OK	7.901197	OK
2	W14X342	W18x50	W12x30	1821.272	24821.2	12484.47	8.75	34.735	9406.983	1665.7344	2.6386	OK	7.494871	OK
1	W14X342	W18x50	W12x30	1922.556	23474.6	11807.15	8.75	34.255	9398.583	1665.7344	2.4977	OK	7.088255	OK

Cek Strong Kolom Weak Beam Kolom 6 (K6)

Lantai	Profil Kolom	Profil Balok		Pu, k	ΣMpc (K-in)		Xi	Vu pakai	ΣMpb (K-in)		Rasio			
		B1	B3		Arah X	Arah Y			Arah X	Arah Y	Arah X	Cek	Arah Y	Cek
20	W14X176	W16x26	W10x33	37.527	11288.2	11288.17	7.6	11.837	4030.626	2439.36	2.8006	OK	4.627514	OK
19	W14X193	W18x35	W12x30	131.593	23245.7	11812.89	7.75	29.229	6246.53	1665.7344	3.7214	OK	7.091703	OK
18	W14X193	W18x35	W12x30	225.944	23325.4	11826.96	7.75	32.735	6300.873	1665.7344	3.7019	OK	7.100148	OK
17	W14X193	W18x35	W12x30	320.365	22145.6	11228.74	7.75	33.564	6313.722	1665.7344	3.5075	OK	6.741014	OK
16	W14X211	W18x35	W12x30	415.218	22205.9	11266.74	7.85	34.772	6339.4	1665.7344	3.5028	OK	6.763827	OK
15	W14X211	W18x35	W12x30	510.136	22259.2	11300.84	7.85	35.042	6343.639	1665.7344	3.5089	OK	6.784297	OK
14	W14X211	W18x35	W12x30	605.117	21084.7	10694.39	7.85	34.956	6342.289	1665.7344	3.3213	OK	6.420223	OK
13	W14X211	W18x35	W12x30	700.267	19868.7	10087.19	7.85	35.23	6346.591	1665.7344	3.1306	OK	6.055703	OK
12	W14X233	W18x40	W12x30	795.853	20265.5	10280.02	8	36.758	7418.336	1665.7344	2.7318	OK	6.171465	OK
11	W14X233	W18x40	W12x30	891.538	20651.8	10468.01	8	37.301	7427.024	1665.7344	2.7806	OK	6.28432	OK
10	W14X233	W18x40	W12x30	987.327	19433.1	9850.26	8	31.637	7336.4	1665.7344	2.6489	OK	5.913464	OK
9	W14X233	W18x40	W12x30	1083.29	18212.6	9231.615	8	31.572	7335.36	1665.7344	2.4828	OK	5.542069	OK
8	W14X283	W18x46	W12x30	1179.461	20638.6	10445.39	8.35	38.994	8552.984	1665.7344	2.413	OK	6.270739	OK
7	W14X283	W18x46	W12x30	1275.789	23048.7	11651.91	8.35	38.53	8545.235	1665.7344	2.6973	OK	6.995057	OK
6	W14X283	W18x46	W12x30	1372.274	21794.1	11017.68	8.35	38.076	8537.653	1665.7344	2.5927	OK	6.614311	OK
5	W14X283	W18x46	W12x30	1469.003	20536.9	10382.14	8.35	36.713	8514.891	1665.7344	2.4119	OK	6.232772	OK
4	W14X342	W18x50	W12x30	1566.236	23724.9	11958.52	8.75	36.552	9438.78	1665.7344	2.5136	OK	7.179129	OK
3	W14X342	W18x50	W12x30	1664.002	26891.7	13525.9	8.75	35.834	9426.215	1665.7344	2.8529	OK	8.12008	OK
2	W14X342	W18x50	W12x30	1762.33	25587	12869.66	8.75	34.735	9406.983	1665.7344	2.72	OK	7.726118	OK
1	W14X342	W18x50	W12x30	1861.321	24274.2	12209.33	8.75	34.255	9398.583	1665.7344	2.5827	OK	7.329696	OK

LAMPIRAN D : PERENCANAAN BRESING

Tabel Disain Bresing Tekan dan Tarik.....	D – 1
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Tabel Disain Tekan dan Tarik Bresing Struktur inti BOF

Rencana Bresing Tekan												
Lantai	Profil	Cek Profil		K	L	In	λc	Fcr	ΦcPn	Pu Tekan	Cek	Rasio
		Sayap	Badan									
20	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	10.94	Aman	0.13
19	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	30.2	Aman	0.36
18	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	40.64	Aman	0.48
17	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	47.16	Aman	0.56
16	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	51.62	Aman	0.61
15	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	62.76	Aman	0.75
14	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	68.03	Aman	0.81
13	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	73.62	Aman	0.87
12	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	79.5	Aman	0.94
11	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	74.51	Aman	0.89
10	W10X26	Kompak	Kompak	1	4.8	188.976	1.558	13.010	84.157	12.24	Aman	0.15
9	W10X33	Kompak	Kompak	1	4.8	188.976	1.092	21.851	180.348	82.12	Aman	0.46
8	W10X33	Kompak	Kompak	1	4.8	188.976	1.092	21.851	180.348	96.86	Aman	0.54
7	W10X33	Kompak	Kompak	1	4.8	188.976	1.092	21.851	180.348	100.96	Aman	0.56
6	W10X33	Kompak	Kompak	1	4.8	188.976	1.092	21.851	180.348	104.24	Aman	0.58
5	W10X33	Kompak	Kompak	1	4.8	188.976	1.092	21.851	180.348	114.04	Aman	0.63
4	W10X33	Kompak	Kompak	1	4.8	188.976	1.092	21.851	180.348	112.69	Aman	0.62
3	W10X33	Kompak	Kompak	1	4.8	188.976	1.092	21.851	180.348	114.82	Aman	0.64
2	W10X33	Kompak	Kompak	1	4.8	188.976	1.092	21.851	180.348	117.4	Aman	0.65
1	W10X33	Kompak	Kompak	1	4.8	188.976	1.092	21.851	180.348	103.43	Aman	0.57

Rencana Bresing
Tarik

Tarik	Lantai	Profil	Kondisi Ieleh Pada Ag				Kondisi Patah Pada Ae									
			ØtPn (Kips)	Pu Tarik (Kips)	Cek	Rasio	Jumlah Baut	D Baut (In)	L Sambungan (In)	An (In ²)	U	Ae (In ²)	ØtPn (Kips)	Cek	Rasio	
		WF														
	20	W10X26	246.564	34.8	aman	7.09	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.49
	19	W10X26	246.564	10.07	aman	24.49	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.14
	18	W10X26	246.564	1.94	aman	127.09	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.03
	17	W10X26	246.564	3.18	aman	77.54	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.04
	16	W10X26	246.564	6.17	aman	39.96	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.09
	15	W10X26	246.564	13.26	aman	18.59	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.19
	14	W10X26	246.564	16.49	aman	14.95	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.23
	13	W10X26	246.564	20.07	aman	12.29	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.28
	12	W10X26	246.564	24.03	aman	10.26	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.34
	11	W10X26	246.564	17.36	aman	14.20	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.25
	10	W10X26	246.564	49.86	aman	4.95	2.000	0.750	6	1.8795	0.850	1.598	70.692694	aman		0.71
	9	W10X33	314.604	22.49	aman	13.99	2.000	0.750	6	4.87018	0.850	4.140	183.17946	aman		0.12
	8	W10X33	314.604	33.8	aman	9.31	2.000	0.750	6	4.87018	0.850	4.140	183.17946	aman		0.18
	7	W10X33	314.604	35.53	aman	8.85	2.000	0.750	6	4.87018	0.850	4.140	183.17946	aman		0.19
	6	W10X33	314.604	36.35	aman	8.65	2.000	0.750	6	4.87018	0.850	4.140	183.17946	aman		0.20
	5	W10X33	314.604	41.96	aman	7.50	2.000	0.750	6	4.87018	0.850	4.140	183.17946	aman		0.23
	4	W10X33	314.604	38.47	aman	8.18	2.000	0.750	6	4.87018	0.850	4.140	183.17946	aman		0.21
	3	W10X33	314.604	38.11	aman	8.26	2.000	0.750	6	4.87018	0.850	4.140	183.17946	aman		0.21
	2	W10X33	314.604	38.1	aman	8.26	2.000	0.750	6	4.87018	0.850	4.140	183.17946	aman		0.21
	1	W10X33	314.604	22.13	aman	14.22	2.000	0.750	6	4.87018	0.850	4.140	183.17946	aman		0.12

**Rencana B्रेसing Tekan
Global Brace**

Lantai	Profil	Cek Profil		K	L		λ_c	Fcr		$\phi_c P_n$	Pu Tekan		Aman	Rasio
		Sayap	Badan		In			(Ksi)	(Kips)		(Kips)			
20	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		27.44		Aman	0.0414
19	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		29.13		Aman	0.044
18	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		71.34		Aman	0.1077
17	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		92.39		Aman	0.1395
16	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		39.04		Aman	0.0589
15	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		107.24		Aman	0.1619
14	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		151.24		Aman	0.2284
13	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		154.02		Aman	0.2325
12	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		102.09		Aman	0.1541
11	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		171.36		Aman	0.2587
10	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		218.1		Aman	0.3293
9	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		201.43		Aman	0.3041
8	W14X99	Kompak	Kompak	1	278.56		0.840954	26.77634	662.3128		157.43		Aman	0.2377
7	W14X120	Kompak	Kompak	1	278.56		0.834688	26.89426	806.9624		219.01		Aman	0.2714
6	W14X120	Kompak	Kompak	1	278.56		0.834688	26.89426	806.9624		259.23		Aman	0.3212
5	W14X120	Kompak	Kompak	1	278.56		0.834688	26.89426	806.9624		248.79		Aman	0.3083
4	W14X120	Kompak	Kompak	1	278.56		0.834688	26.89426	806.9624		208.22		Aman	0.258
3	W14X120	Kompak	Kompak	1	278.56		0.834688	26.89426	806.9624		267.36		Aman	0.3313
2	W14X120	Kompak	Kompak	1	278.56		0.834688	26.89426	806.9624		281.57		Aman	0.3489
1	W14X120	Kompak	Kompak	1	278.56		0.834688	26.89426	806.9624		246.76		Aman	0.3058

Rencana Bracing Tarik Global Brace

Lantai	Profil	Kondisi Ieleh Pada Ag			Kondisi Patah Pada Ae						Cek	Rasio
		ΦtPn (Kips)	Pu Tarik (Klips)	Cek	Jumlah Baut	D Baut (In)	An (In ²)	U	Ae (In ²)	ΦtPn (Kips)		
20	W14X99	942.84	33.44	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.0355
19	W14X99	942.84	33.76	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.0358
18	W14X99	942.84	26.44	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.028
17	W14X99	942.84	11.36	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.012
16	W14X99	942.84	60.18	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.0638
15	W14X99	942.84	70.87	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.0752
14	W14X99	942.84	55.89	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.0593
13	W14X99	942.84	14.32	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.0152
12	W14X99	942.84	68.49	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.0726
11	W14X99	942.84	93.32	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.099
10	W14X99	942.84	69.21	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.0734
9	W14X99	942.84	35.03	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.0372
8	W14X99	942.84	62.91	Aman	2	3/4	25.77688	0.85	21.91034	969.5327	Aman	0.0667
7	W14X120	1143.72	104.1	Aman	2	3/4	31.28625	0.85	26.59331	1176.754	Aman	0.091
6	W14X120	1143.72	75.58	Aman	2	3/4	31.28625	0.85	26.59331	1176.754	Aman	0.0661
5	W14X120	1143.72	50.37	Aman	2	3/4	31.28625	0.85	26.59331	1176.754	Aman	0.044
4	W14X120	1143.72	62.75	Aman	2	3/4	31.28625	0.85	26.59331	1176.754	Aman	0.0549
3	W14X120	1143.72	87.28	Aman	2	3/4	31.28625	0.85	26.59331	1176.754	Aman	0.0763
2	W14X120	1143.72	67.22	Aman	2	3/4	31.28625	0.85	26.59331	1176.754	Aman	0.0588
1	W14X120	1143.72	31	Aman	2	3/4	31.28625	0.85	26.59331	1176.754	Aman	0.0271

Tabel Disain Tekan dan Tarik Outtrigger struktur BOF

Rencana Bresing Tekan

Kerangka Browsing Iterni		Profil	Cek Profil	Badan	K	L	in	Ac	Fcr (Kali)	ΦcPo (Kapas)	Pu Tekan (Kapas)	Cek	Rasio
Lantai			Sayap			m							
20		W10X49	Kompak	Kompak	1	4.8	188.976	0.833	26.934	329.666	77.12	Aman	0.23
10		W12X65	Kompak	Kompak	1	4.8	188.976	0.703	29.281	475.378	152.29	Aman	0.32

Rencana Bresing Tarik

Rencana Besiulang Tank										Kondisi Setelah Pada Ag					Kondisi Setelah Pada Ae				
Lantai	Profil	Pu Tarik		Rasio	Jumlah Baut	D Baut (in)	L Sambungan (in)	An		U	Ae (in ²)	e _{tp} n (Kips)	Cek	Rasio					
		e _{tp} n (Kips)	Cek					(in ²)	(Kips)										
20	W10X49	466.56	54.02	aman	8.64	2.000	0.750	6	7.9813	0.850	6.784	300.1966	aman	0.18					
10	W12X65	618.84	91.76	aman	6.74	2.000	0.750	6	11.870125	0.850	10.090	446.4651	aman	0.21					

Tabel Disain Tekan dan Tarik Belt Truss struktur BOF

Rencana Breeding Tekan

Rencana Bending Tahan										
Lantai	Profil	Cek Profil	K	L m	Ac	For (ksi)	Q _u F _n (Kips)	Pu Tekan (Kips)	Cek	Rasio
		Sayap								
20	W12x45	Kompak	1	7.07	1.599	12.354	137.560	43.91	Aman	0.32
10	W12x65	Kompak	1	7.07	1.035	22.997	373.352	104.77	Aman	0.28

Rencana Bresing Tarik

Rencana Bending Tarik																
Lantai		Profil	Kondisi leleh Pada Ag					Kondisi Patah Pada Ae								
			q _{sPa} (Kips)	Pu Tarik (Kips)	Cek	Rasio	Jumlah Baut	D		L Sambungan (in)	An (in ²)	U	Ae (in ²)	q _{sPn} (Kips)	Cek	Rasio
								Baut (in)	Baut (in)							
20		W12x45	424.44	38.89	aman	10.91	2.000	0.750	6	5.262	0.850	4.473	197.9	aman	0.20	
10		W12x65	618.84	19.87	aman	31.14	2.000	0.750	6	11.8701	0.850	10.090	446.5	aman	0.04	

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Rasio Simpangan akibat parkfield terhadap OF					Rasio Inter Story Drift akibat Parkfield Terhadap OF					Rasio Momen Balok akibat Parkfield Terhadap OF					Rasio Geser Balok akibat Parkfield Terhadap OF				
Lantai	4 Outr thd OF	3 Outr thd OF	2 Outr thd OF	4 Outr thd OF	3 Outr thd OF	2 Outr thd OF	4 Outr thd OF	3 Outr thd OF	2 Outr thd OF	4 Outr thd OF	3 Outr thd OF	2 Outr thd OF	4 Outr thd OF	3 Outr thd OF	2 Outr thd OF	4 Outr thd OF	3 Outr thd OF	2 Outr thd OF	
20	0.736	0.723	0.780	0.786	0.412	0.398	0.265	0.477	0.456	0.483	0.670	0.658	0.674						
19	0.734	0.722	0.786	0.843	0.827	0.697	0.614	0.634	0.615	0.615	0.779	0.802	0.779						
18	0.689	0.681	0.757	0.985	0.926	0.822	0.751	0.757	0.733	0.733	0.847	0.862	0.836						
17	0.628	0.638	0.718	1.009	0.928	0.852	0.783	0.771	0.757	0.757	0.863	0.867	0.847						
16	0.604	0.608	0.687	0.932	0.952	0.890	0.884	0.854	0.855	0.855	0.925	0.917	0.907						
15	0.608	0.603	0.677	0.384	1.008	0.880	0.578	0.860	0.842	0.842	0.728	0.919	0.897						
14	0.630	0.621	0.685	0.907	0.883	0.852	0.533	0.830	0.782	0.782	0.697	0.897	0.858						
13	0.662	0.657	0.706	0.830	0.227	0.686	0.765	0.509	0.723	0.723	0.843	0.685	0.816						
12	0.705	0.719	0.738	0.678	0.581	0.569	0.647	0.445	0.604	0.604	0.753	0.623	0.723						
11	0.756	0.775	0.779	0.514	0.561	0.439	0.603	0.611	0.562	0.562	0.718	0.732	0.690						
10	0.811	0.825	0.828	0.167	0.502	0.130	0.397	0.574	0.379	0.379	0.574	0.706	0.562						
9	0.895	0.850	0.914	0.517	0.509	0.535	0.393	0.561	0.387	0.387	0.577	0.701	0.572						
8	0.901	0.852	0.924	0.740	0.645	0.736	0.622	0.601	0.597	0.597	0.737	0.731	0.720						
7	0.856	0.821	0.886	0.876	0.660	0.841	0.720	0.694	0.666	0.666	0.810	0.801	0.774						
6	0.805	0.808	0.850	0.817	0.206	0.879	0.715	0.456	0.671	0.671	0.803	0.636	0.773						
5	0.779	0.932	0.819	0.261	0.795	0.851	0.430	0.446	0.630	0.630	0.598	0.620	0.740						
4	0.931	0.968	0.807	0.786	0.909	0.809	0.433	0.702	0.639	0.639	0.602	0.797	0.745						
3	0.995	0.993	0.837	0.903	0.902	0.767	0.692	0.718	0.646	0.646	0.781	0.807	0.750						
2	1.064	1.068	0.906	0.970	0.964	0.820	0.730	0.753	0.671	0.671	0.811	0.834	0.769						
1	1.263	1.288	1.075	1.266	1.290	1.072	0.867	0.897	0.783	0.783	0.914	0.942	0.858						
Rata-rata	0.803	0.808	0.808	0.740	0.734	0.720	0.632	0.656	0.651	0.651	0.751	0.777	0.765						

Rasio Momen Kolom akibat parkfield terhadap					Rasio Momen Kolom akibat			Rasio Aksial Kolom akibat		
Tingkat	Open frame				Parkfield Terhadap OF			Parkfield Terhadap OF		
	4 Outr thd of	3 Outr thd of	2 Outr thd of		4 Outr thd OF	3 Outr thd OF	2 Outr thd OF	4 Outr thd OF	3 Outr thd OF	2 Outr thd OF
20	5.229	5.268	5.453		0.924	0.916	0.931	2.27	3.20	3.09
19	1.115	1.115	1.115		0.853	0.900	0.847	1.98	2.54	2.46
18	0.522	0.590	0.548		0.742	0.722	0.707	1.57	1.89	1.84
17	0.546	0.556	0.534		0.786	0.775	0.762	1.40	1.63	1.59
16	0.581	0.592	0.570		1.398	0.866	0.926	1.32	1.50	1.46
15	1.556	0.705	0.780		0.997	0.789	0.723	1.44	1.42	1.38
14	0.852	0.663	0.650		1.184	1.191	0.718	1.81	1.36	1.33
13	0.676	1.369	0.628		0.636	1.113	0.614	1.70	1.34	1.29
12	0.582	0.968	0.562		0.629	1.035	0.574	1.62	1.74	1.25
11	0.631	0.650	0.579		0.847	0.539	0.799	1.55	1.66	1.23
10	1.317	1.317	1.154		0.865	0.551	0.956	1.40	1.60	1.13
9	0.875	0.585	0.932		0.888	0.504	0.852	1.63	1.54	1.36
8	0.485	0.465	0.448		0.680	0.657	0.635	1.57	1.49	1.32
7	0.538	0.519	0.508		0.734	1.165	0.673	1.52	1.44	1.29
6	0.550	1.259	0.529		1.101	1.215	0.656	1.47	1.26	1.26
5	0.956	0.956	0.956		1.004	1.022	0.558	1.25	1.42	1.24
4	1.322	0.664	0.612		1.104	0.689	0.621	1.38	1.40	1.23
3	0.649	0.663	0.612		0.599	0.630	0.564	1.36	1.38	1.22
2	0.540	0.563	0.518		0.578	0.584	0.522	1.35	1.36	1.21
1	0.417	0.418	0.386		0.804	0.909	0.687	1.33	1.35	1.20
Rata-rata	0.997	0.994	0.904		0.868	0.839	0.716	1.55	1.63	1.47

Lantai	Rasio Simpangan Global Brace Terhadap Outrigger & Belt Truss					Rasio Inter Story Drift Global Brace Terhadap Outrigger				
	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield
20	0.482	0.903	1.009	0.962	1.082	1.91	3.45	3.41	3.16	3.91
19	0.464	0.866	0.965	0.920	1.033	0.59	0.88	0.83	0.79	0.94
18	0.461	0.861	0.968	0.919	1.016	0.49	0.73	0.68	0.65	0.76
17	0.460	0.862	0.986	0.931	1.001	0.59	0.91	0.85	0.82	0.95
16	0.453	0.850	0.989	0.930	0.963	0.57	0.89	0.90	0.82	0.95
15	0.445	0.837	0.916	0.927	0.914	0.44	0.68	0.70	0.64	0.76
14	0.445	0.841	0.889	0.941	0.906	0.42	0.64	0.65	0.62	0.74
13	0.448	0.847	0.892	0.957	0.916	0.55	0.85	0.89	0.81	0.99
12	0.439	0.832	0.887	0.918	0.925	0.55	0.87	0.89	0.85	1.05
11	0.427	0.810	0.897	0.862	0.941	0.45	0.70	0.73	0.69	0.85
10	0.424	0.807	0.912	0.831	0.964	1.38	2.36	2.32	2.09	2.40
9	0.394	0.744	0.861	0.767	0.929	0.55	0.84	0.89	0.82	0.73
8	0.377	0.706	0.829	0.715	0.918	0.50	0.76	0.79	0.82	0.65
7	0.356	0.665	0.801	0.664	0.914	0.35	0.53	0.55	0.60	0.51
6	0.355	0.665	0.818	0.666	0.951	0.30	0.44	0.49	0.47	0.48
5	0.373	0.694	0.858	0.697	1.021	0.40	0.59	0.69	0.64	0.71
4	0.359	0.679	0.828	0.691	1.025	0.45	0.67	0.70	0.68	0.80
3	0.327	0.606	0.767	0.657	0.945	0.34	0.49	0.58	0.56	0.67
2	0.311	0.571	0.756	0.669	0.930	0.31	0.43	0.57	0.56	0.65
1	0.320	0.568	0.765	0.704	0.953	0.32	0.43	0.57	0.61	0.68
Rata-rat	0.406	0.761	0.880	0.816	0.962	0.57	0.91	0.93	0.89	1.01

Lantai	Rasio Momen Balok Global Brace Terhadap <i>Outrigger & Belt Truss</i>					Rasio Geser Balok Global Brace Terhadap <i>Outrigger & Belt Truss</i>				
	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield
20	0.982	1.016	0.943	0.868	0.927	0.989	1.000	0.977	0.944	0.971
19	0.878	0.784	0.919	0.851	0.837	0.948	0.905	0.963	0.931	0.925
18	0.776	0.622	0.827	0.687	0.670	0.900	0.821	0.920	0.832	0.823
17	0.760	0.648	0.781	0.552	0.552	0.891	0.827	0.895	0.745	0.745
16	0.736	0.664	0.748	0.517	0.569	0.875	0.830	0.878	0.712	0.746
15	0.696	0.606	0.709	0.466	0.516	0.858	0.798	0.859	0.677	0.704
14	0.669	0.546	0.714	0.469	0.510	0.844	0.769	0.861	0.682	0.712
13	0.679	0.598	0.697	0.452	0.487	0.846	0.790	0.848	0.668	0.692
12	0.713	0.683	0.755	0.554	0.601	0.862	0.838	0.881	0.735	0.773
11	0.691	0.644	0.724	0.508	0.579	0.851	0.814	0.863	0.701	0.755
10	0.819	0.750	0.891	0.738	0.747	0.921	0.887	0.951	0.870	0.878
9	0.839	0.822	0.916	0.762	0.827	0.926	0.913	0.956	0.878	0.908
8	0.701	0.718	0.795	0.596	0.683	0.854	0.856	0.901	0.762	0.824
7	0.692	0.712	0.771	0.549	0.663	0.846	0.846	0.880	0.718	0.796
6	0.649	0.625	0.693	0.440	0.552	0.826	0.807	0.846	0.653	0.736
5	0.672	0.672	0.748	0.488	0.623	0.836	0.827	0.867	0.672	0.762
4	0.717	0.793	0.818	0.576	0.733	0.862	0.899	0.912	0.738	0.847
3	0.727	0.836	0.836	0.603	0.763	0.862	0.912	0.911	0.738	0.840
2	0.710	0.813	0.841	0.593	0.741	0.855	0.906	0.919	0.742	0.840
1	0.724	0.842	0.858	0.639	0.798	0.859	0.915	0.921	0.766	0.864
Rata-rata	0.741	0.720	0.799	0.595	0.669	0.8755	0.8580	0.9005	0.7583	0.8070

Lantai	Rasio Momen Kolom Global Brace Terhadap Outrigger & Belt Truss					Rasio Geser Kolom Global Brace Terhadap Outrigger & Belt Truss					Rasio Aksial Kolom Global Brace Terhadap Outrigger & Belt Truss				
	Angin	Statik	Koyana	Elcentro	Parkfield	Angin	Statik	Koyana	Elcentro	Parkfield	Angin	Statik	Koyana	Elcentro	Parkfield
20	0.87	0.90	0.80	0.80	0.811	1.133	1.589	0.705	0.476	0.615	0.439	0.453	1.221	1.270	1.266
19	0.83	0.94	0.67	0.43	0.613	0.724	0.498	0.807	0.704	0.683	0.416	0.370	0.688	0.715	0.679
18	0.84	0.68	0.91	0.94	0.920	0.713	0.480	0.902	0.926	0.899	0.511	0.438	0.709	0.759	0.728
17	0.71	0.37	1.09	1.46	1.423	0.765	0.787	0.885	0.763	0.885	0.549	0.480	0.719	0.773	0.747
16	0.72	0.68	0.83	0.69	0.781	0.696	0.748	0.843	0.717	0.854	0.735	1.037	1.407	1.685	2.349
15	0.78	0.85	0.94	0.83	0.951	0.661	0.464	0.800	0.673	0.700	0.733	0.979	1.308	1.533	2.082
14	0.71	0.59	0.75	0.54	0.559	0.603	0.395	0.799	0.640	0.678	0.773	0.933	1.234	1.422	1.885
13	0.57	0.28	0.92	0.83	0.866	0.739	0.810	0.913	0.772	0.801	0.765	0.900	1.176	1.334	1.736
12	0.69	0.70	0.81	0.64	0.662	0.805	0.996	1.019	1.025	1.104	0.991	1.419	1.534	2.198	2.572
11	0.89	1.13	1.16	1.12	1.164	0.428	0.276	0.607	0.466	0.497	0.964	1.347	1.455	2.045	2.394
10	0.38	0.32	0.38	0.26	0.248	0.349	0.228	0.554	0.308	0.421	1.028	1.356	1.524	2.003	2.400
9	0.79	0.35	0.69	0.44	0.572	0.534	0.576	0.744	0.521	0.649	0.832	1.054	1.211	1.521	1.846
8	0.68	0.72	0.88	0.68	0.801	0.919	1.247	1.225	1.206	1.284	1.038	1.486	1.399	1.958	1.967
7	0.95	1.28	1.28	1.30	1.306	0.582	0.469	0.742	0.590	0.718	1.018	1.438	1.358	1.892	1.894
6	0.72	0.80	0.83	0.67	0.717	0.525	0.372	0.686	0.542	0.673	1.000	1.395	1.320	1.825	1.829
5	0.43	0.32	0.77	0.70	1.178	0.815	0.990	1.136	0.948	1.359	0.984	1.358	1.288	1.757	1.772
4	0.73	0.84	1.03	0.83	1.435	0.967	1.406	1.291	1.203	1.152	1.171	1.740	1.522	2.119	2.214
3	0.94	1.33	1.26	1.19	1.528	0.596	0.546	0.733	0.531	0.561	1.150	1.693	1.486	2.058	2.154
2	0.69	0.82	0.77	0.58	0.691	0.712	0.844	0.845	0.607	0.745	1.130	1.650	1.454	2.032	2.099
1	0.71	0.87	0.84	0.58	0.704	0.552	0.883	0.954	0.737	1.072	1.112	1.612	1.425	1.553	2.051
Rata-rata	0.715	0.738	0.981	0.775	0.896	0.691	0.730	0.860	0.718	0.819	0.872	1.158	1.272	1.642	1.833

Lantai	Rasio Simpangan Outrigger & Belt Truss Terhadap OF					Rasio Inter Story Drift Outrigger & Belt Terhadap OF				
	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield
20	0.697	0.826	0.915	0.807	0.780	1.91	3.45	3.41	3.16	3.91
19	0.698	0.836	0.921	0.810	0.786	0.59	0.88	0.83	0.79	0.94
18	0.689	0.826	0.907	0.790	0.757	0.49	0.73	0.68	0.65	0.76
17	0.677	0.812	0.876	0.753	0.718	0.59	0.91	0.85	0.82	0.95
16	0.664	0.796	0.819	0.713	0.687	0.57	0.89	0.90	0.82	0.95
15	0.650	0.779	0.833	0.676	0.677	0.44	0.68	0.70	0.64	0.76
14	0.639	0.767	0.843	0.653	0.685	0.42	0.64	0.65	0.62	0.74
13	0.629	0.754	0.852	0.640	0.706	0.55	0.85	0.89	0.81	0.99
12	0.619	0.740	0.860	0.651	0.738	0.55	0.87	0.89	0.85	1.05
11	0.606	0.725	0.866	0.672	0.779	0.45	0.70	0.73	0.69	0.85
10	0.604	0.720	0.871	0.690	0.828	1.38	2.36	2.32	2.09	2.40
9	0.648	0.780	0.927	0.745	0.914	0.55	0.84	0.89	0.82	0.73
8	0.652	0.786	0.920	0.769	0.924	0.50	0.76	0.79	0.82	0.65
7	0.640	0.773	0.879	0.782	0.886	0.35	0.53	0.55	0.60	0.51
6	0.632	0.760	0.824	0.794	0.850	0.30	0.44	0.49	0.47	0.48
5	0.622	0.747	0.775	0.790	0.819	0.40	0.59	0.69	0.64	0.71
4	0.626	0.749	0.757	0.795	0.807	0.45	0.67	0.70	0.68	0.80
3	0.642	0.758	0.763	0.812	0.837	0.34	0.49	0.58	0.56	0.67
2	0.678	0.800	0.801	0.861	0.906	0.31	0.43	0.57	0.56	0.65
1	0.800	0.936	0.966	1.005	1.075	0.32	0.43	0.57	0.61	0.68
Rata-rata	0.656	0.784	0.859	0.760	0.808	0.57	0.91	0.93	0.89	1.01

Lantai	Rasio Momen Balok Outrigger & Belt Truss Terhadap OF					Rasio Geser Balok Outrigger & Belt Truss Terhadap OF				
	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield
20	0.640	0.494	0.505	0.487	0.483	0.807	0.700	0.698	0.670	0.674
19	0.761	0.672	0.610	0.595	0.615	0.886	0.828	0.791	0.765	0.779
18	0.800	0.748	0.692	0.717	0.733	0.902	0.863	0.833	0.825	0.836
17	0.798	0.741	0.689	0.697	0.757	0.900	0.857	0.829	0.804	0.847
16	0.832	0.778	0.717	0.767	0.855	0.916	0.876	0.843	0.845	0.907
15	0.822	0.759	0.701	0.764	0.842	0.909	0.861	0.830	0.841	0.897
14	0.800	0.727	0.684	0.719	0.782	0.896	0.840	0.819	0.809	0.858
13	0.789	0.711	0.698	0.704	0.723	0.889	0.829	0.829	0.796	0.816
12	0.742	0.654	0.649	0.634	0.604	0.857	0.786	0.791	0.741	0.723
11	0.737	0.649	0.604	0.588	0.562	0.852	0.780	0.757	0.703	0.690
10	0.584	0.487	0.471	0.369	0.379	0.766	0.680	0.675	0.543	0.562
9	0.580	0.480	0.463	0.362	0.387	0.763	0.674	0.666	0.538	0.572
8	0.711	0.616	0.567	0.540	0.597	0.832	0.754	0.725	0.660	0.720
7	0.714	0.614	0.599	0.562	0.666	0.834	0.754	0.748	0.677	0.774
6	0.709	0.606	0.607	0.606	0.671	0.830	0.749	0.753	0.711	0.773
5	0.690	0.586	0.566	0.632	0.630	0.819	0.737	0.725	0.733	0.740
4	0.698	0.591	0.568	0.665	0.639	0.827	0.745	0.727	0.759	0.745
3	0.716	0.601	0.564	0.686	0.646	0.839	0.754	0.723	0.777	0.750
2	0.745	0.616	0.575	0.723	0.671	0.858	0.768	0.734	0.806	0.769
1	0.834	0.693	0.653	0.814	0.783	0.914	0.828	0.797	0.879	0.858
Rata-rata	0.735	0.641	0.609	0.632	0.651	0.8548	0.7832	0.7646	0.7441	0.7645

Lantai	Rasio Momen Kolom Outrigger & Belt Truss Terhadap OF						Rasio Geser Kolom Outrigger & Belt Truss Terhadap OF						Rasio Aksial Kolom Outrigger & Belt Truss Terhadap OF					
	Angin	Statik	Koyna	Elcentro	Parkfield		Angin	Statik	Koyna	Elcentro	Parkfield		Angin	Statik	Koyna	Elcentro	Parkfield	
20	0.64	0.49	1.26	3.98	5.453		0.623	0.387	0.780	1.071	0.931		2.722	2.998	2.551	3.063	3.091	
19	0.99	0.88	1.02	1.61	1.115		0.876	0.900	0.654	0.826	0.847		2.245	2.431	2.136	2.450	2.461	
18	0.91	0.88	0.55	0.50	0.548		0.781	0.728	0.620	0.638	0.707		1.754	1.843	1.678	1.835	1.837	
17	0.85	0.82	0.55	0.60	0.534		0.806	0.749	0.596	0.634	0.762		1.555	1.602	1.502	1.591	1.588	
16	0.87	0.83	0.56	0.56	0.570		0.877	0.832	0.717	0.793	0.926		1.447	1.471	1.406	1.452	1.461	
15	0.97	0.96	0.62	0.72	0.780		0.784	0.710	0.625	0.635	0.723		1.379	1.388	1.334	1.363	1.383	
14	0.88	0.83	0.63	0.65	0.650		0.789	0.708	0.653	0.627	0.718		1.331	1.328	1.283	1.303	1.329	
13	0.85	0.78	0.61	0.63	0.628		0.746	0.659	0.600	0.593	0.614		1.296	1.283	1.248	1.261	1.290	
12	0.76	0.66	0.54	0.51	0.562		0.759	0.668	0.566	0.600	0.574		1.265	1.244	1.222	1.226	1.255	
11	0.79	0.69	0.58	0.56	0.579		1.020	0.946	0.672	0.831	0.799		1.241	1.213	1.204	1.202	1.226	
10	1.42	1.33	0.89	1.09	1.317		1.193	1.102	0.762	1.117	0.956		1.117	1.119	1.087	1.136	1.125	
9	0.51	0.54	0.64	1.05	0.932		0.983	0.901	0.692	0.791	0.852		1.336	1.357	1.304	1.384	1.356	
8	0.72	0.62	0.44	0.48	0.448		0.726	0.628	0.559	0.520	0.635		1.309	1.321	1.276	1.335	1.317	
7	0.75	0.65	0.46	0.50	0.508		0.717	0.613	0.577	0.538	0.673		1.287	1.291	1.251	1.295	1.285	
6	0.76	0.64	0.53	0.48	0.529		0.719	0.610	0.566	0.621	0.656		1.267	1.266	1.227	1.262	1.260	
5	0.78	0.65	0.58	0.54	0.614		0.655	0.547	0.483	0.549	0.558		1.251	1.244	1.209	1.236	1.241	
4	0.71	0.58	0.51	0.51	0.612		0.704	0.607	0.540	0.629	0.621		1.235	1.224	1.194	1.215	1.228	
3	0.72	0.60	0.52	0.56	0.612		0.673	0.558	0.474	0.587	0.564		1.222	1.207	1.179	1.198	1.219	
2	0.64	0.53	0.45	0.51	0.518		0.632	0.502	0.454	0.523	0.522		1.212	1.194	1.164	1.183	1.211	
1	0.51	0.40	0.36	0.41	0.386		0.719	0.514	0.484	0.653	0.687		1.205	1.185	1.153	1.173	1.202	
Rata-rata	0.801	0.718	0.615	0.823	0.895		0.789	0.693	0.604	0.689	0.716		1.434	1.460	1.380	1.458	1.468	

Lantai	Rasio Simpangan Outrigger & Belt Truss Terhadap Open Frame					Rasio Inter Story Drift Outrigger & Belt Truss Terhadap Open Frame				
	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield
30	0.623	0.654	0.392	0.876	0.855	0.373	0.714	0.193	0.264	0.272
29	0.622	0.657	0.394	0.875	0.874	0.812	1.288	0.479	0.661	0.583
28	0.618	0.652	0.391	0.865	0.883	0.866	1.215	0.516	0.701	0.615
27	0.610	0.644	0.386	0.855	0.889	0.833	1.082	0.459	0.697	0.618
26	0.597	0.636	0.379	0.847	0.885	0.799	0.974	0.417	0.706	0.645
25	0.592	0.629	0.378	0.841	0.885	0.776	0.899	0.392	0.742	0.701
24	0.582	0.623	0.377	0.838	0.909	0.768	0.851	0.428	0.835	0.748
23	0.575	0.615	0.378	0.835	0.957	0.760	0.815	0.400	0.855	0.669
22	0.568	0.607	0.380	0.832	1.029	0.744	0.781	0.399	0.880	0.583
21	0.560	0.599	0.383	0.818	1.100	0.718	0.734	0.403	0.851	0.532
20	0.555	0.591	0.381	0.801	1.055	0.675	0.682	0.376	0.682	0.502
19	0.545	0.585	0.381	0.791	1.016	0.652	0.649	0.393	0.621	0.524
18	0.543	0.579	0.385	0.782	0.983	0.636	0.624	0.396	0.639	0.693
17	0.536	0.573	0.382	0.767	0.939	0.607	0.598	0.356	0.655	0.723
16	0.536	0.568	0.378	0.749	0.879	0.477	0.479	0.271	0.547	0.587
15	0.538	0.573	0.379	0.750	0.830	0.151	0.161	0.093	0.198	0.213
14	0.569	0.610	0.398	0.801	0.830	0.496	0.490	0.317	0.556	0.695
13	0.577	0.618	0.403	0.816	0.784	0.650	0.616	0.402	0.681	0.897
12	0.569	0.613	0.410	0.822	0.724	0.675	0.626	0.420	0.695	0.892
11	0.563	0.607	0.416	0.808	0.665	0.665	0.608	0.414	0.692	0.833
10	0.555	0.598	0.419	0.804	0.639	0.621	0.564	0.388	0.648	0.717
9	0.549	0.594	0.427	0.813	0.635	0.611	0.552	0.409	0.647	0.656
8	0.560	0.594	0.442	0.822	0.631	0.612	0.546	0.409	0.627	0.618
7	0.548	0.591	0.447	0.816	0.630	0.605	0.535	0.412	0.635	0.577
6	0.564	0.591	0.454	0.790	0.630	0.594	0.517	0.426	0.635	0.536
5	0.546	0.598	0.461	0.769	0.640	0.588	0.503	0.438	0.619	0.545
4	0.572	0.613	0.474	0.761	0.660	0.595	0.506	0.441	0.595	0.559
3	0.588	0.643	0.502	0.775	0.705	0.626	0.529	0.449	0.587	0.604
2	0.715	0.712	0.548	0.827	0.783	0.705	0.605	0.494	0.630	0.706
1	0.810	0.865	0.659	0.959	0.943	0.898	0.800	0.656	0.806	0.944
Rata-rata	0.583	0.621	0.420	0.817	0.829	0.653	0.685	0.402	0.653	0.633

Lantai	Rasio Momen Balok Outrigger & Belt Truss Terhadap Open Frame					Rasio Geser Balok Outrigger & Belt Truss Terhadap Open Frame				
	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield
30	0.900	0.870	0.724	0.574	0.597	0.952	0.936	0.766	0.743	0.847
29	0.924	0.931	0.852	0.746	0.691	0.966	0.968	0.853	0.864	0.911
28	0.897	0.929	0.874	0.792	0.626	0.951	0.965	0.820	0.878	0.892
27	0.894	0.913	0.890	0.843	0.611	0.950	0.956	0.813	0.907	0.892
26	0.891	0.894	0.900	0.884	0.585	0.948	0.946	0.801	0.931	0.887
25	0.887	0.876	0.909	0.905	0.574	0.946	0.937	0.803	0.944	0.880
24	0.884	0.862	0.890	0.892	0.590	0.945	0.929	0.820	0.936	0.864
23	0.854	0.824	0.832	0.857	0.578	0.929	0.905	0.823	0.909	0.807
22	0.852	0.812	0.825	0.867	0.631	0.927	0.897	0.873	0.915	0.796
21	0.848	0.797	0.838	0.877	0.635	0.925	0.888	0.880	0.922	0.799
20	0.843	0.780	0.796	0.850	0.652	0.923	0.878	0.890	0.906	0.778
19	0.838	0.762	0.780	0.794	0.690	0.920	0.867	0.917	0.869	0.771
18	0.820	0.738	0.792	0.791	0.702	0.910	0.849	0.931	0.864	0.767
17	0.815	0.728	0.758	0.759	0.699	0.907	0.842	0.928	0.842	0.747
16	0.810	0.718	0.719	0.740	0.677	0.905	0.836	0.910	0.829	0.726
15	0.788	0.620	0.546	0.555	0.573	0.894	0.780	0.790	0.712	0.669
14	0.791	0.624	0.557	0.569	0.582	0.896	0.783	0.784	0.722	0.690
13	0.776	0.691	0.715	0.742	0.656	0.885	0.811	0.882	0.822	0.721
12	0.780	0.697	0.760	0.762	0.683	0.887	0.816	0.921	0.836	0.734
11	0.780	0.694	0.770	0.770	0.707	0.888	0.815	0.946	0.843	0.735
10	0.777	0.682	0.746	0.755	0.718	0.8866	0.8080	0.9524	0.8332	0.7236
9	0.775	0.672	0.719	0.741	0.721	0.886	0.803	0.937	0.826	0.722
8	0.754	0.650	0.690	0.719	0.689	0.873	0.785	0.905	0.808	0.701
7	0.756	0.647	0.687	0.730	0.673	0.875	0.785	0.890	0.816	0.702
6	0.759	0.641	0.695	0.739	0.650	0.878	0.783	0.871	0.823	0.708
5	0.762	0.635	0.713	0.734	0.633	0.881	0.781	0.855	0.819	0.722
4	0.769	0.634	0.719	0.723	0.621	0.886	0.783	0.846	0.812	0.727
3	0.743	0.599	0.680	0.671	0.584	0.870	0.756	0.815	0.767	0.690
2	0.775	0.634	0.695	0.688	0.628	0.889	0.785	0.846	0.784	0.711
1	0.839	0.736	0.788	0.787	0.750	0.924	0.857	0.932	0.863	0.791
Rata-rata	0.819	0.743	0.762	0.762	0.647	0.910	0.851	0.867	0.845	0.770

Lantai	Rasio Momen Kolom Outrigger & Belt Truss					Rasio Geser Kolom Outrigger & Belt Truss					Rasio Aksial Kolom Outrigger & Belt Truss				
	Terhadapap Open Frame					Terhadapap Open Frame					Terhadapap Open Frame				
	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield
30	0.90	0.87	1.14	1.72	2.068	0.894	0.609	1.038	1.501	1.634	3.339	3.909	3.555	4.387	3.860
29	0.89	0.26	1.06	1.62	0.687	0.943	1.238	0.931	1.028	0.847	2.756	3.158	2.912	3.502	3.113
28	0.93	1.14	0.62	0.59	0.610	0.904	0.550	0.744	0.698	0.562	2.091	2.324	2.154	2.476	2.231
27	0.95	1.19	0.56	0.45	0.403	0.894	0.507	0.706	0.715	0.598	1.811	1.972	1.838	2.065	1.875
26	0.95	1.16	0.59	0.44	0.325	0.887	0.876	0.660	0.741	0.597	1.657	1.776	1.664	1.852	1.673
25	0.94	1.10	0.62	0.45	0.363	0.887	0.850	0.673	0.728	0.600	1.559	1.650	1.555	1.725	1.543
24	0.94	1.02	0.64	0.48	0.429	0.850	0.820	0.636	0.694	0.636	1.491	1.563	1.481	1.642	1.458
23	0.86	0.90	0.60	0.48	0.465	0.872	0.844	0.637	0.744	0.677	1.441	1.496	1.422	1.581	1.394
22	0.90	0.94	0.70	0.59	0.492	0.848	0.835	0.630	0.766	0.652	1.402	1.444	1.377	1.533	1.352
21	0.89	0.92	0.66	0.64	0.488	0.850	0.815	0.643	0.821	0.701	1.372	1.403	1.342	1.493	1.325
20	0.89	0.96	0.71	0.75	0.511	0.837	0.750	0.528	0.615	0.608	1.347	1.369	1.306	1.459	1.307
19	0.88	0.88	0.62	0.65	0.415	0.823	0.732	0.575	0.654	0.729	1.304	1.318	1.256	1.409	1.276
18	0.85	0.80	0.53	0.69	0.436	0.822	0.736	0.574	0.690	0.775	1.267	1.275	1.212	1.368	1.255
17	0.85	0.80	0.56	0.64	0.494	0.817	0.722	0.541	0.719	0.788	1.237	1.239	1.178	1.334	1.239
16	0.86	0.78	0.60	0.68	0.598	0.901	1.269	0.834	1.099	1.536	1.212	1.209	1.149	1.303	1.227
15	1.04	1.93	1.15	1.13	1.455	0.806	0.770	0.601	1.397	1.540	1.256	1.280	1.203	1.369	1.333
14	0.54	0.64	0.46	1.03	1.130	0.899	1.254	0.912	1.225	1.472	1.370	1.417	1.322	1.513	1.507
13	0.76	0.64	0.37	0.47	0.462	0.786	0.729	0.588	0.835	0.791	1.339	1.378	1.285	1.464	1.485
12	0.78	0.71	0.50	0.58	0.559	0.787	0.702	0.564	0.766	0.785	1.312	1.344	1.254	1.423	1.467
11	0.80	0.72	0.52	0.65	0.567	0.759	0.731	0.619	0.829	0.890	1.289	1.315	1.229	1.388	1.450
10	0.815	0.795	0.558	0.759	0.639	0.756	0.622	0.519	0.608	0.679	1.268	1.288	1.207	1.357	1.435
9	0.772	0.671	0.487	0.590	0.519	0.734	0.672	0.573	0.676	0.793	1.249	1.265	1.188	1.329	1.419
8	0.789	0.670	0.498	0.599	0.532	0.742	0.653	0.544	0.657	0.786	1.230	1.241	1.169	1.302	1.403
7	0.764	0.677	0.479	0.588	0.501	0.762	0.653	0.542	0.667	0.764	1.213	1.220	1.151	1.280	1.388
6	0.775	0.688	0.486	0.621	0.522	0.732	0.628	0.546	0.657	0.722	1.198	1.201	1.134	1.260	1.374
5	0.762	0.661	0.477	0.589	0.543	0.748	0.607	0.547	0.642	0.589	1.184	1.184	1.119	1.243	1.361
4	0.735	0.609	0.465	0.555	0.569	0.734	0.575	0.524	0.606	0.546	1.172	1.169	1.104	1.228	1.350
3	0.673	0.519	0.436	0.525	0.611	0.75	0.553	0.510	0.569	0.532	1.160	1.153	1.090	1.213	1.339
2	0.627	0.457	0.411	0.500	0.544	0.722	0.531	0.466	0.536	0.557	1.150	1.141	1.078	1.200	1.327
1	0.578	0.375	0.349	0.428	0.494	0.708	0.785	0.36	0.983	1.265	1.141	1.131	1.070	1.191	1.316
Rata-rata	0.823	0.817	0.595	0.683	0.615	0.87	0.780	0.38	0.795	0.935	1.460	1.528	1.434	1.630	1.569

Lantai	Rasio Smpangan Outrigger & Belt Truss Terhadap Open Frame					Rasio Inter Story Drift Outrigger & Belt Truss Terhadap Open Frame				
	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield
40	0.586	0.807	0.654	0.655	0.766	0.714	0.722	0.468	0.391	0.522
39	0.584	0.805	0.658	0.659	0.769	0.954	1.008	0.672	0.594	0.759
38	0.581	0.800	0.666	0.666	0.767	0.990	1.106	0.803	0.700	0.830
37	0.577	0.793	0.679	0.665	0.763	0.956	1.102	0.875	0.794	0.834
36	0.569	0.785	0.696	0.662	0.755	0.899	1.072	0.832	0.791	0.832
35	0.564	0.777	0.714	0.658	0.744	0.841	1.040	0.742	0.790	0.836
34	0.559	0.768	0.727	0.653	0.733	0.798	1.007	0.682	0.792	0.849
33	0.553	0.760	0.729	0.648	0.733	0.759	0.979	0.607	0.696	0.872
32	0.547	0.752	0.729	0.643	0.738	0.720	0.951	0.573	0.696	0.900
31	0.539	0.744	0.732	0.639	0.746	0.689	0.921	0.534	0.698	0.877
30	0.534	0.735	0.739	0.636	0.757	0.664	0.897	0.500	0.599	0.755
29	0.526	0.726	0.752	0.632	0.768	0.640	0.874	0.489	0.698	0.666
28	0.522	0.718	0.772	0.614	0.773	0.618	0.856	0.492	0.690	0.643
27	0.516	0.709	0.800	0.598	0.723	0.602	0.838	0.505	0.796	0.702
26	0.510	0.700	0.836	0.583	0.672	0.585	0.819	0.502	0.696	0.780
25	0.504	0.691	0.831	0.569	0.662	0.566	0.799	0.476	0.691	0.878
24	0.496	0.682	0.808	0.558	0.668	0.545	0.775	0.456	0.799	0.993
23	0.491	0.674	0.788	0.549	0.670	0.520	0.741	0.446	0.824	1.020
22	0.486	0.665	0.773	0.542	0.665	0.480	0.682	0.434	0.820	0.853
21	0.482	0.659	0.759	0.537	0.657	0.398	0.556	0.376	0.701	0.655
20	0.479	0.659	0.752	0.534	0.648	0.274	0.373	0.264	0.475	0.413
19	0.484	0.669	0.748	0.532	0.645	0.372	0.526	0.349	0.667	0.523
18	0.487	0.671	0.747	0.530	0.631	0.421	0.616	0.384	0.775	0.571
17	0.486	0.668	0.750	0.525	0.612	0.432	0.645	0.398	0.777	0.549
16	0.480	0.664	0.757	0.518	0.590	0.429	0.652	0.399	0.710	0.543
15	0.481	0.659	0.769	0.510	0.567	0.424	0.650	0.388	0.633	0.553
14	0.476	0.654	0.779	0.502	0.543	0.414	0.644	0.380	0.580	0.552
13	0.472	0.649	0.765	0.494	0.540	0.404	0.636	0.368	0.552	0.539
12	0.468	0.644	0.751	0.486	0.535	0.394	0.625	0.363	0.526	0.523
11	0.465	0.638	0.737	0.479	0.528	0.382	0.611	0.362	0.504	0.502
10	0.462	0.635	0.725	0.473	0.522	0.366	0.594	0.359	0.489	0.471
9	0.468	0.636	0.723	0.477	0.520	0.358	0.583	0.354	0.485	0.439
8	0.467	0.637	0.727	0.494	0.520	0.350	0.576	0.349	0.491	0.431
7	0.477	0.644	0.730	0.507	0.524	0.347	0.573	0.354	0.509	0.429
6	0.478	0.653	0.732	0.517	0.533	0.347	0.575	0.373	0.540	0.430
5	0.496	0.670	0.736	0.526	0.548	0.353	0.585	0.385	0.548	0.439
4	0.517	0.701	0.741	0.533	0.571	0.367	0.608	0.413	0.559	0.459
3	0.545	0.743	0.745	0.539	0.605	0.398	0.651	0.458	0.595	0.498
2	0.525	0.807	0.740	0.542	0.669	0.455	0.729	0.527	0.675	0.700
1	0.525	0.910	0.743	0.549	0.756	0.556	0.862	0.648	0.828	0.960
Rata-rata	0.517	0.709	0.743	0.566	0.653	0.545	0.751	0.483	0.643	0.655

Lantai	Rasio Momen Balok Outrigger & Belt Truss						Rasio Geser B. Iok Outrigger & Belt Truss					
	Terhadapap Open Frame						Terhadapap Open Frame					
	Angin	Statik	Koyna	Elcentro	Parkfield		Angin	Statik	Koyna	Elcentro	Parkfield	
40	1.145	0.910	0.255	0.312	0.635		0.990	0.921	0.481	0.519	0.802	
39	0.858	0.928	0.423	0.508	0.744		0.940	0.961	0.662	0.711	0.883	
38	0.842	0.998	0.450	0.561	0.755		0.934	0.988	0.660	0.714	0.882	
37	0.819	0.978	0.466	0.582	0.741		0.924	0.980	0.662	0.717	0.872	
36	0.792	0.937	0.499	0.611	0.719		0.913	0.962	0.684	0.711	0.856	
35	0.765	0.893	0.561	0.650	0.712		0.902	0.941	0.730	0.715	0.850	
34	0.739	0.854	0.630	0.694	0.659		0.890	0.921	0.779	0.805	0.815	
33	0.714	0.818	0.641	0.697	0.595		0.878	0.902	0.785	0.807	0.771	
32	0.690	0.786	0.621	0.730	0.550		0.867	0.883	0.770	0.812	0.741	
31	0.667	0.755	0.594	0.622	0.529		0.855	0.864	0.750	0.718	0.726	
30	0.647	0.729	0.576	0.519	0.506		0.844	0.848	0.739	0.682	0.707	
29	0.608	0.694	0.554	0.478	0.474		0.822	0.825	0.724	0.618	0.678	
28	0.571	0.658	0.537	0.474	0.449		0.800	0.801	0.713	0.613	0.654	
27	0.537	0.626	0.536	0.482	0.438		0.777	0.778	0.713	0.611	0.640	
26	0.506	0.596	0.550	0.479	0.438		0.755	0.755	0.724	0.619	0.637	
25	0.477	0.568	0.565	0.451	0.410		0.733	0.733	0.734	0.624	0.607	
24	0.450	0.541	0.555	0.455	0.382		0.712	0.711	0.726	0.624	0.578	
23	0.425	0.515	0.523	0.472	0.365		0.690	0.690	0.701	0.636	0.559	
22	0.400	0.488	0.483	0.489	0.353		0.669	0.667	0.670	0.652	0.548	
21	0.376	0.450	0.439	0.459	0.335		0.646	0.637	0.638	0.630	0.534	
20	0.345	0.370	0.368	0.365	0.284		0.620	0.578	0.589	0.561	0.496	
19	0.358	0.372	0.387	0.367	0.285		0.562	0.578	0.603	0.562	0.494	
18	0.379	0.427	0.461	0.438	0.323		0.571	0.612	0.652	0.610	0.518	
17	0.395	0.445	0.502	0.465	0.342		0.577	0.622	0.680	0.627	0.528	
16	0.408	0.452	0.530	0.459	0.355		0.582	0.625	0.700	0.617	0.534	
15	0.422	0.458	0.548	0.443	0.357		0.587	0.627	0.713	0.600	0.531	
14	0.435	0.462	0.561	0.425	0.363		0.591	0.629	0.722	0.583	0.533	
13	0.448	0.468	0.571	0.423	0.366		0.596	0.631	0.730	0.577	0.532	
12	0.462	0.473	0.598	0.421	0.368		0.602	0.633	0.747	0.571	0.531	
11	0.476	0.478	0.628	0.419	0.375		0.607	0.635	0.767	0.567	0.535	
10	0.490	0.481	0.655	0.421	0.387		0.613	0.636	0.784	0.566	0.544	
9	0.494	0.478	0.675	0.422	0.388		0.617	0.635	0.799	0.567	0.547	
8	0.499	0.476	0.701	0.426	0.385		0.622	0.636	0.818	0.571	0.545	
7	0.506	0.477	0.733	0.435	0.386		0.628	0.638	0.839	0.580	0.546	
6	0.516	0.481	0.760	0.453	0.397		0.636	0.644	0.857	0.597	0.57	
5	0.530	0.490	0.793	0.462	0.411		0.647	0.654	0.877	0.605	0.571	
4	0.551	0.507	0.831	0.470	0.428		0.663	0.671	0.900	0.612	0.588	
3	0.585	0.540	0.873	0.492	0.460		0.686	0.701	0.925	0.635	0.619	
2	0.642	0.601	0.923	0.544	0.515		0.723	0.753	0.952	0.685	0.73	
1	0.748	0.720	0.978	0.658	0.629		0.782	0.840	0.981	0.786	0.73	
Rata-rata	0.568	0.609	0.588	0.493	0.465		0.726	0.744	0.742	0.649	0.638	

Lantai	Rasio Momen Kolom Outrigger & Belt Truss Terhadapap Open Frame					Rasio Geser Kolom Outrigger & Belt Truss Terhadapap Open Frame					Rasio Aksial Kolom Outrigger & Belt Truss Terhadapap Open Frame				
	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield	Angin	Statik	Koyna	Elcentro	Parkfield
40	0.694	0.638	1.244	3.748	4.904	0.639	0.019	1.502	1.782	2.368	3.892	3.339	3.993	3.620	4.527
39	0.750	1.373	1.862	1.598	2.070	0.781	1.827	1.216	0.924	0.790	3.096	2.783	3.212	2.980	3.589
38	0.898	0.528	1.148	0.984	1.151	0.734	1.351	0.924	0.721	0.577	2.294	2.038	2.365	2.169	2.605
37	0.930	1.066	0.878	0.836	0.783	0.718	1.186	0.895	0.709	0.550	1.942	1.709	1.985	1.810	2.172
36	0.937	1.170	0.890	0.609	0.541	0.705	1.112	0.821	0.747	0.609	1.745	1.530	1.770	1.611	1.928
35	0.931	1.144	0.880	0.620	0.415	0.695	1.069	0.834	0.763	0.714	1.618	1.426	1.631	1.489	1.770
34	0.921	1.091	0.795	0.603	0.455	0.686	1.038	0.798	0.726	0.747	1.530	1.363	1.538	1.409	1.659
33	0.909	1.041	0.761	0.609	0.524	0.678	1.012	0.716	0.780	0.715	1.464	1.326	1.474	1.356	1.577
32	0.898	0.999	0.974	0.668	0.590	0.674	1.009	0.730	0.745	0.696	1.414	1.304	1.423	1.319	1.513
31	0.898	1.014	0.938	0.744	0.605	0.649	0.936	0.694	0.654	0.665	1.374	1.292	1.375	1.293	1.462
30	0.852	0.896	0.835	0.986	0.701	0.673	0.976	0.701	0.597	0.663	1.341	1.284	1.330	1.273	1.420
29	0.893	0.959	0.915	0.928	0.691	0.676	0.940	0.668	0.587	0.643	1.315	1.278	1.292	1.258	1.385
28	0.911	0.924	0.843	0.849	0.655	0.694	0.960	0.668	0.642	0.664	1.293	1.274	1.260	1.245	1.357
27	0.940	0.934	0.803	0.810	0.624	0.711	0.962	0.686	0.664	0.697	1.275	1.270	1.234	1.232	1.332
26	0.972	0.943	0.788	0.737	0.595	0.731	0.968	0.704	0.646	0.770	1.260	1.266	1.213	1.218	1.312
25	1.010	0.954	0.794	0.726	0.602	0.756	0.975	0.646	0.646	0.830	1.248	1.261	1.195	1.204	1.294
24	1.057	0.969	0.769	0.585	0.608	0.786	0.992	0.624	0.700	0.833	1.238	1.256	1.180	1.190	1.279
23	1.119	1.002	0.773	0.573	0.633	0.825	1.043	0.670	0.805	0.830	1.229	1.253	1.167	1.176	1.266
22	1.210	1.117	0.814	0.612	0.713	0.886	1.205	0.777	0.941	0.869	1.222	1.250	1.154	1.163	1.255
21	1.387	1.257	0.942	0.721	0.780	0.985	1.766	1.088	1.351	1.248	1.217	1.250	1.142	1.152	1.244
20	1.747	1.255	1.526	1.476	1.277	1.030	1.906	1.321	1.627	2.588	1.303	1.350	1.238	1.241	1.363
19	0.800	0.130	1.104	1.076	1.008	0.971	1.742	1.088	1.338	1.335	1.406	1.462	1.348	1.353	1.494
18	1.090	0.408	0.626	0.570	0.605	0.870	1.123	0.775	0.879	0.998	1.394	1.450	1.331	1.340	1.473
17	1.142	0.771	0.633	0.580	0.465	0.818	0.952	0.678	0.765	0.910	1.382	1.438	1.314	1.329	1.455
16	1.124	0.841	0.740	0.652	0.492	0.778	0.877	0.611	0.724	0.875	1.371	1.428	1.299	1.320	1.438
15	1.082	0.825	0.734	0.663	0.495	0.744	0.838	0.552	0.710	0.846	1.361	1.422	1.285	1.314	1.423
14	1.033	0.794	0.677	0.669	0.512	0.711	0.807	0.562	0.661	0.835	1.352	1.417	1.272	1.309	1.409
13	0.984	0.765	0.638	0.654	0.538	0.676	0.778	0.570	0.616	0.833	1.344	1.413	1.260	1.307	1.395
12	0.925	0.738	0.578	0.678	0.548	0.661	0.772	0.569	0.601	0.805	1.336	1.412	1.249	1.307	1.383
11	0.920	0.758	0.569	0.719	0.501	0.555	0.705	0.523	0.511	0.843	1.329	1.411	1.238	1.309	1.372
10	0.688	0.684	0.508	0.707	0.521	0.627	0.663	0.570	0.526	0.907	1.327	1.417	1.231	1.312	1.365
9	0.748	0.661	0.519	0.671	0.508	0.535	0.627	0.510	0.506	0.848	1.323	1.423	1.224	1.314	1.358
8	0.652	0.590	0.518	0.610	0.521	0.511	0.606	0.496	0.523	0.885	1.320	1.428	1.216	1.315	1.350
7	0.582	0.536	0.527	0.593	0.557	0.482	0.580	0.512	0.514	0.952	1.315	1.433	1.207	1.317	1.342
6	0.513	0.481	0.504	0.580	0.624	0.457	0.553	0.488	0.499	0.965	1.310	1.438	1.199	1.319	1.333
5	0.446	0.421	0.488	0.530	0.690	0.435	0.529	0.466	0.491	0.963	1.305	1.441	1.192	1.320	1.325
4	0.381	0.359	0.451	0.485	0.752	0.418	0.518	0.478	0.496	0.980	1.299	1.444	1.185	1.321	1.316
3	0.325	0.308	0.400	0.440	0.872	0.405	0.546	0.518	0.544	1.051	1.293	1.445	1.179	1.321	1.309
2	0.277	0.290	0.361	0.405	1.006	0.429	0.702	0.634	0.697	1.228	1.288	1.444	1.174	1.320	1.302
1	0.279	0.360	0.431	0.517	1.293	0.429	0.702	0.634	0.697	1.228	1.283	1.440	1.170	1.315	1.296
Rata-rata	0.871	0.800	0.779	0.795	0.811	0.681	0.947	0.723	0.751	0.934	1.491	1.483	1.444	1.437	1.586