

DAFTAR PUSTAKA

Direktorat penyelidikan masalah bangunan, 1981, *Peraturan Pembebanan Indonesia Untuk Gedung 1983*, Yayasan Lembaga Penyelidikan Masalah Bangunan : Bandung.

Direktorat penyelidikan masalah bangunan, 1971, *Peraturan Beton Bertulang Indonesia 1971*, Yayasan Lembaga Penyelidikan Masalah Bangunan : Bandung.

Nasional, B. S, 2019, *SNI 1726-2019 Tata Cara Perencanaan Ketahanan Gempa*, BSN ; Jakarta.

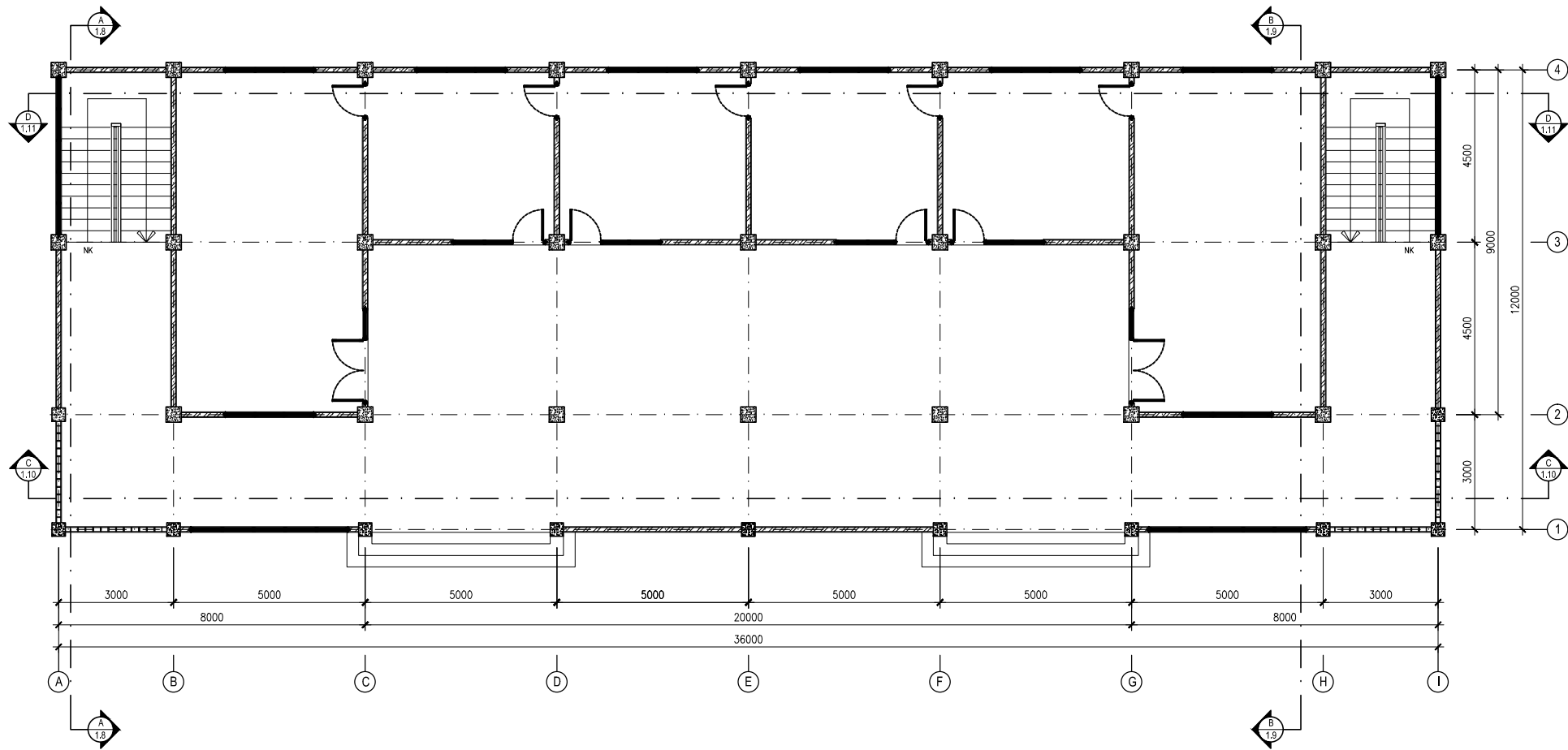
Nasional, B. S. 2013, *SNI 1727-2013 Beban Minimum Perancangan Bangunan Gedung dan Struktur Lainnya*. BSN : Jakarta.

Nasional, B. S. 2017, *SNI 2052-2017 Baja Tulangan Beton*. BSN : Jakarta.

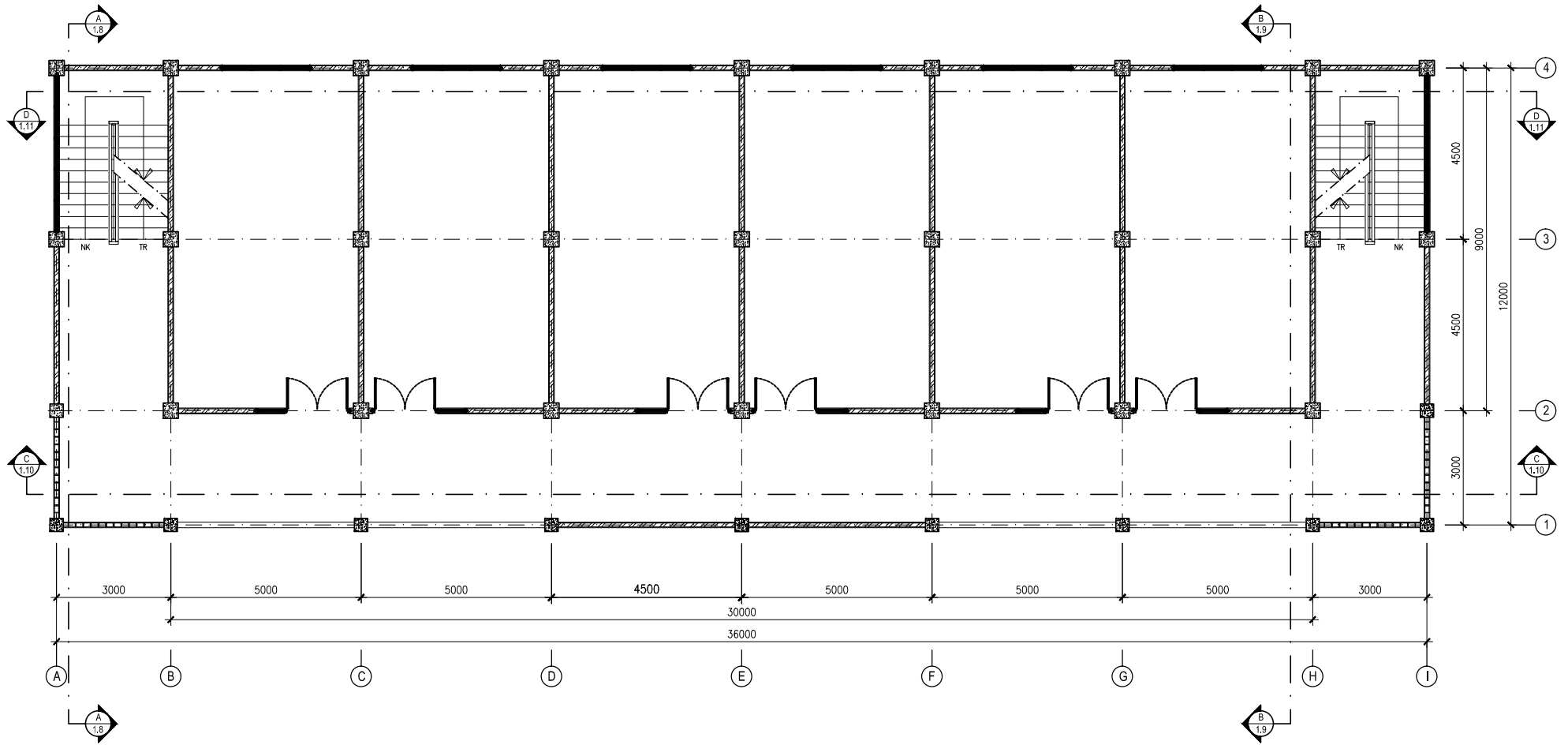
Nasional, B. S. 2019, *SNI 2847-2019 Persyaratan Beton Struktural Untuk Bangunan Gedung*. BSN : Jakarta.

LAMPIRAN I

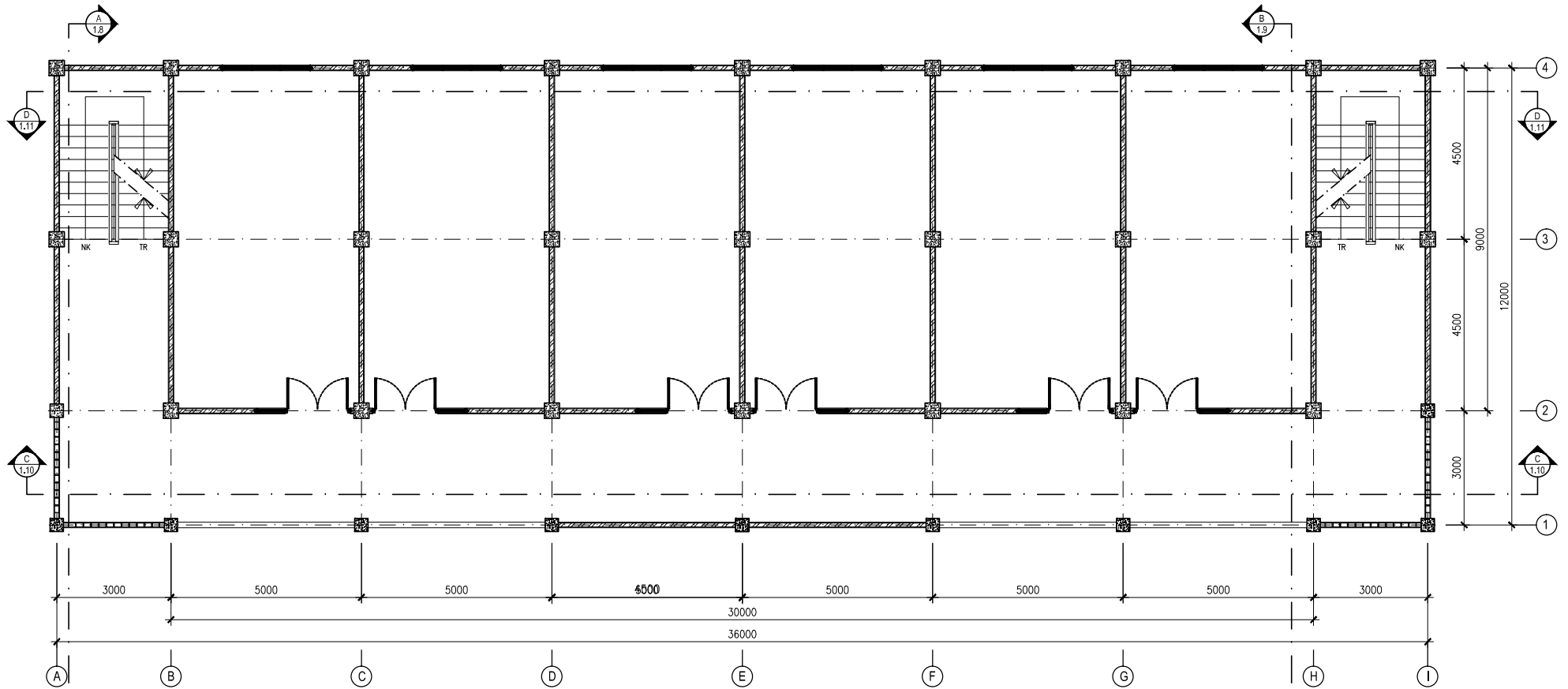
Gambar Denah dan Geometri Perencanaan Gedung



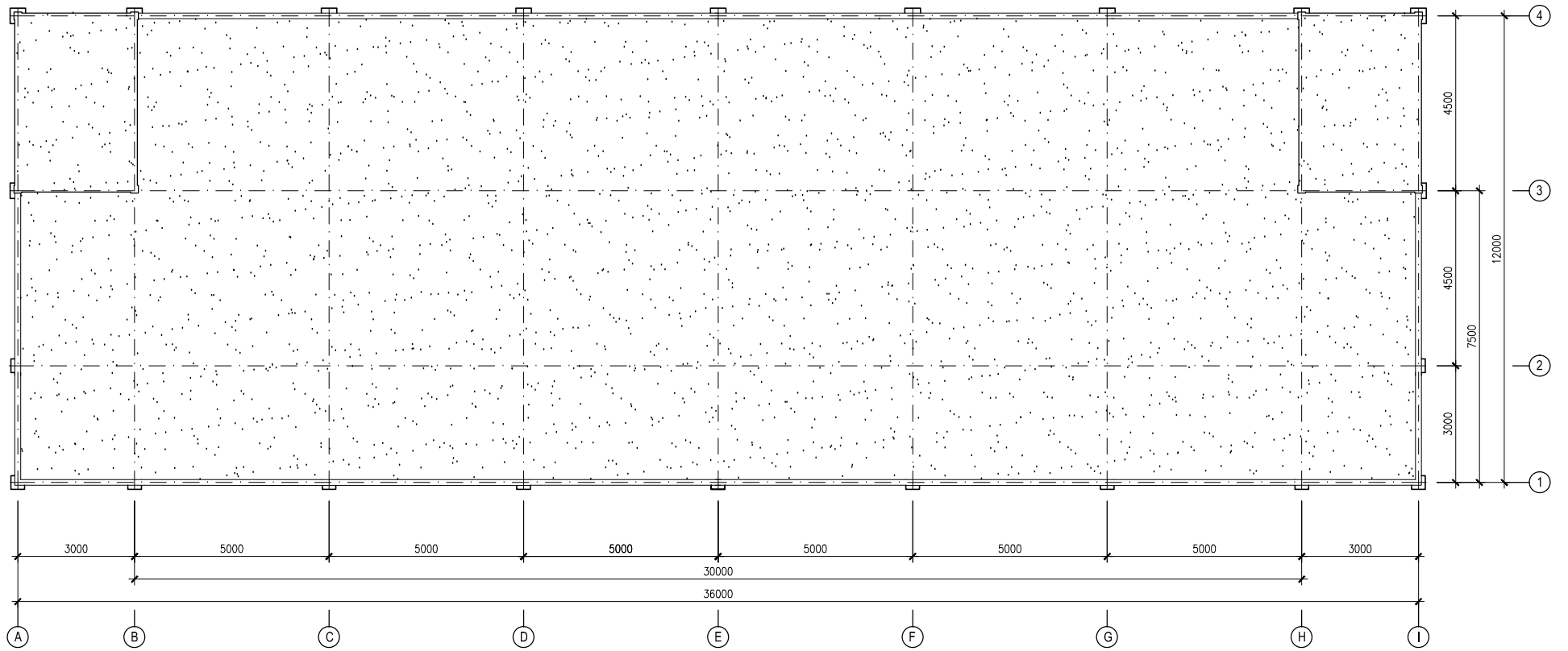
PERENCANAAN DENAH LT. 1
Skala NTS



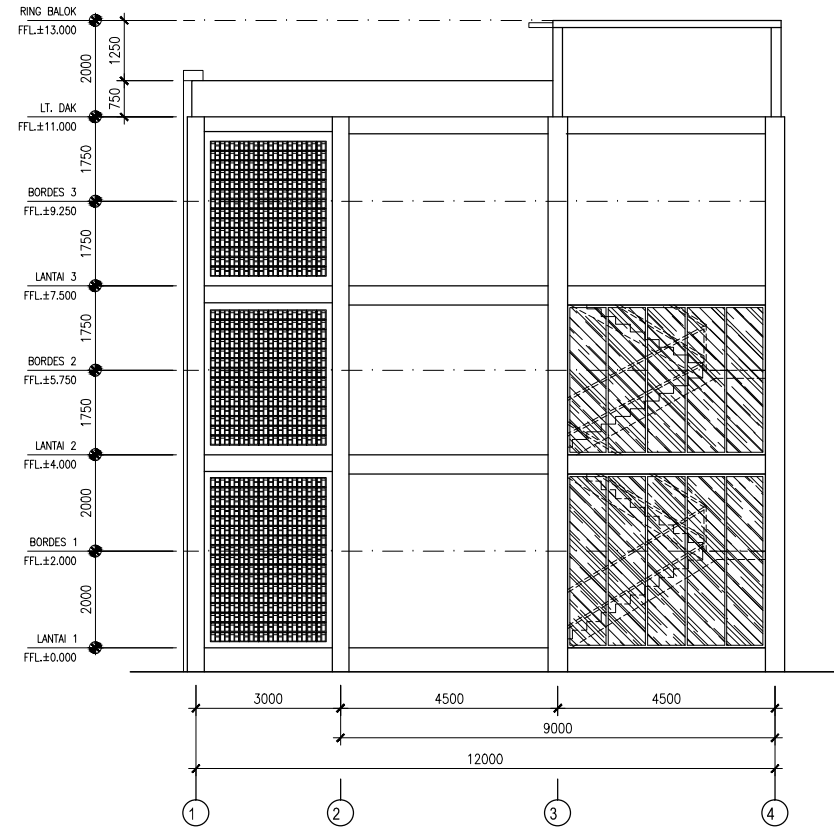
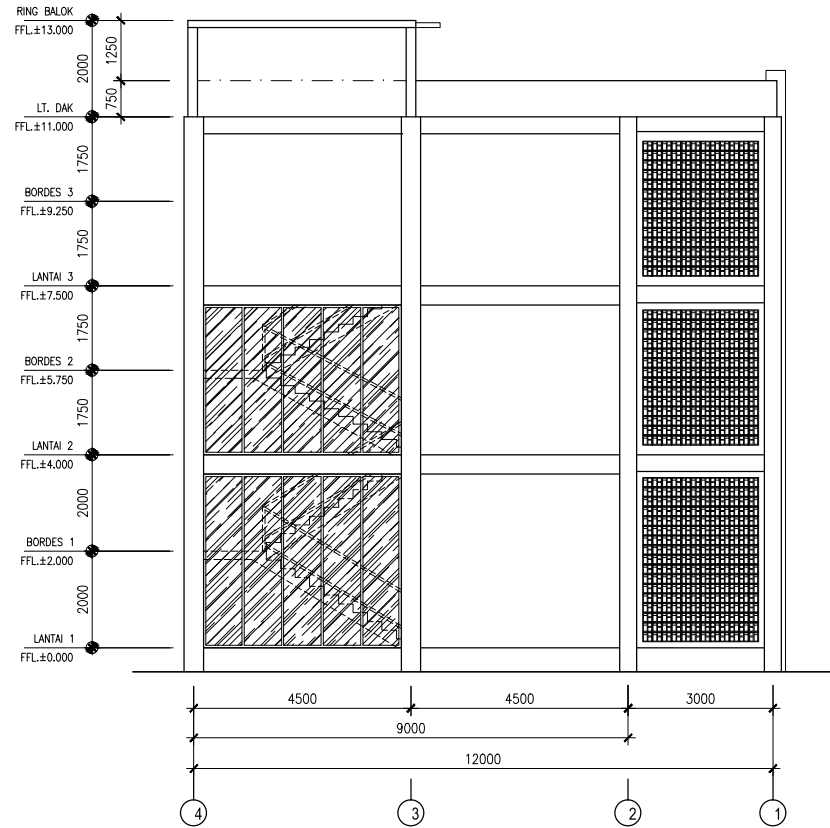
PERENCANAAN DENAH LT. 2
Skala NTS



PERENCANAAN DENAH LT. 3
Skala NTS



PERENCANAAN DENAH LT. ATAP
Skala NTS



LAMPIRAN II

Output SAP 2000 Gaya-gaya Dalam Struktur Kolom

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	M2	M3	T	V2	V3
Text	m	Text	Text	KN	KN-m	KN-m	KN-m	KN	KN
261	0	0,9D+1Ex+0,3Ey	Combination	-80,335	13,5787	-5,1031	-1,7897	-1,153	11,296
261	1,75	0,9D+1Ex+0,3Ey	Combination	-86,266	-6,1895	-3,0855	-1,7897	-1,153	11,296
261	1,75	0,9D+1Ex+0,3Ey	Combination	-91,907	-0,0527	-4,1092	1,5285	-3,693	5,397
261	3,5	0,9D+1Ex+0,3Ey	Combination	-97,838	-9,4974	2,353	1,5285	-3,693	5,397
261	0	0,9D+0,3Ex+1Ey	Combination	-104,822	27,7153	1,3205	-0,9993	1,584	24,763
252	0	0,9D+1Ex+0,3Ey	Combination	-105,622	6,3694	-10,4351	0,5501	-4,861	3,393
269	0	0,9D+1Ex+0,3Ey	Combination	-109,666	10,908	-14,3108	-2,3144	-7,368	7,191
261	1,75	0,9D+0,3Ex+1Ey	Combination	-110,753	-15,6197	-1,4513	-0,9993	1,584	24,763
252	1,75	0,9D+1Ex+0,3Ey	Combination	-111,553	0,4308	-1,9285	0,5501	-4,861	3,393
269	0	0,9D+0,3Ex+1Ey	Combination	-113,61	26,9106	-7,145	-0,2327	-4,141	23,527
269	1,75	0,9D+1Ex+0,3Ey	Combination	-115,597	-1,6762	-1,417	-2,3144	-7,368	7,191
261	0	1,2D+1L+1Ex+0,3Ey	Combination	-116,531	14,8052	-2,2575	-1,4537	1,179	11,663
252	3,5	0,9D+1Ex+0,3Ey	Combination	-117,484	-5,5078	6,5782	0,5501	-4,861	3,393
269	1,75	0,9D+0,3Ex+1Ey	Combination	-119,541	-14,261	0,1015	-0,2327	-4,141	23,527
252	0	0,9D+0,3Ex+1Ey	Combination	-120,623	21,2142	-1,9883	0,2103	-0,834	11,02
223	0	0,9D+1Ex+0,3Ey	Combination	-123,849	10,0424	-9,8841	-0,4676	-8,727	6,107
261	1,75	1,2D+1L+1Ex+0,3Ey	Combination	-124,439	-5,6059	-4,3204	-1,4537	1,179	11,663
269	0	Untuk Vg	Combination	-125,091	7,0073	-7,6088	-0,876	-5,545	3,219
261	0	Untuk Vg	Combination	-125,113	7,014	7,6082	0,8745	5,544	3,228
252	1,75	0,9D+0,3Ex+1Ey	Combination	-126,555	1,9297	-0,5288	0,2103	-0,834	11,02
269	1,75	0,9D+1Ex+0,3Ey	Combination	-129,584	8,8283	-3,8838	1,5724	-7,64	12,712
261	1,75	0,9D+0,3Ex+1Ey	Combination	-129,757	4,6107	-0,5052	1,5219	1,12	8,84
223	2	0,9D+1Ex+0,3Ey	Combination	-130,627	-2,1722	7,5692	-0,4676	-8,727	6,107
252	3,5	0,9D+0,3Ex+1Ey	Combination	-132,486	-17,3548	0,9307	0,2103	-0,834	11,02
269	0	1,2D+1,6L+1LR	Combination	-132,519	6,5366	-8,3815	-0,9908	-6,295	2,817
261	0	1,2D+1,6L+1LR	Combination	-132,541	6,5433	8,3809	0,9893	6,294	2,826
269	1,75	Untuk Vg	Combination	-132,999	1,3739	2,0951	-0,876	-5,545	3,219
261	1,75	Untuk Vg	Combination	-133,021	1,365	-2,0932	0,8745	5,544	3,228
223	2	0,9D+1Ex+0,3Ey	Combination	-133,337	1,9284	5,7169	3,1128	-9,861	6,925
269	3,5	0,9D+1Ex+0,3Ey	Combination	-135,515	-13,4173	9,4861	1,5724	-7,64	12,712
261	3,5	0,9D+0,3Ex+1Ey	Combination	-135,688	-10,86	-2,4645	1,5219	1,12	8,84
261	1,75	1,2D+1L+1Ex+0,3Ey	Combination	-136,607	3,9689	-5,0469	1,283	-3,929	11,451
269	0	1,4D	Combination	-138,288	8,9949	-7,4092	-0,8395	-4,998	4,44
261	0	1,4D	Combination	-138,314	9,0028	7,4085	0,8377	4,996	4,45
223	4	0,9D+1Ex+0,3Ey	Combination	-140,115	-11,9214	25,4395	3,1128	-9,861	6,925
269	1,75	1,2D+1,6L+1LR	Combination	-140,427	1,6071	2,6346	-0,9908	-6,295	2,817
261	1,75	1,2D+1,6L+1LR	Combination	-140,449	1,5982	-2,6327	0,9893	6,294	2,826
260	0	0,9D+0,3Ex+1Ey	Combination	-140,784	21,713	-5,4756	0,0978	-2,789	11,213
261	0	1,2D+1L+0,3Ex+1Ey	Combination	-141,019	28,9418	4,1662	-0,6633	3,916	25,13
269	1,75	0,9D+0,3Ex+1Ey	Combination	-141,045	7,2756	-1,8916	-0,591	-4,519	11,033
214	0	0,9D+1Ex+0,3Ey	Combination	-141,845	5,2363	-15,0351	-0,9995	-10,626	3,433
261	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-144,515	-16,0706	1,8294	1,283	-3,929	11,451
269	1,75	Untuk Vg	Combination	-144,86	7,7435	1,3971	0,7303	-1,374	14,728
261	1,75	Untuk Vg	Combination	-144,89	7,7424	-1,395	-0,7291	1,375	14,732
269	0	1,2D+1L+1Ex+0,3Ey	Combination	-145,857	12,1329	-17,1565	-2,6508	-9,7	7,556
260	1,75	0,9D+0,3Ex+1Ey	Combination	-146,715	2,0902	-0,5946	0,0978	-2,789	11,213
269	3,5	0,9D+0,3Ex+1Ey	Combination	-146,976	-12,0325	6,0163	-0,591	-4,519	11,033
269	1,75	1,4D	Combination	-147,514	1,2258	1,3374	-0,8395	-4,998	4,44
261	1,75	1,4D	Combination	-147,54	1,2153	-1,3352	0,8377	4,996	4,45
214	2	0,9D+1Ex+0,3Ey	Combination	-148,623	-1,6295	6,2171	-0,9995	-10,626	3,433
261	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-148,927	-15,036	-2,6862	-0,6633	3,916	25,13
269	0	1,2D+1L+0,3Ex+1Ey	Combination	-149,801	28,1354	-9,9908	-0,5691	-6,473	23,892
260	3,5	0,9D+0,3Ex+1Ey	Combination	-152,646	-17,5325	4,2864	0,0978	-2,789	11,213
269	3,5	Untuk Vg	Combination	-152,768	-18,0312	3,8014	0,7303	-1,374	14,728
261	3,5	Untuk Vg	Combination	-152,798	-18,0378	-3,8013	-0,7291	1,375	14,732
269	1,75	1,2D+1L+1Ex+0,3Ey	Combination	-153,765	-1,0903	-0,1816	-2,6508	-9,7	7,556
269	1,75	1,2D+1,6L+1LR	Combination	-155,183	9,5142	1,8289	0,8098	-0,97	16,738
261	1,75	1,2D+1,6L+1LR	Combination	-155,213	9,5131	-1,8267	-0,8086	0,971	16,741
214	4	0,9D+1Ex+0,3Ey	Combination	-155,401	-8,4953	27,4694	-0,9995	-10,626	3,433
269	1,75	1,4D	Combination	-155,817	5,7892	0,7138	0,7537	-2,506	13,494
261	1,75	1,4D	Combination	-155,851	5,7879	-0,7113	-0,7523	2,507	13,498
269	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-157,709	-13,6751	1,3369	-0,5691	-6,473	23,892
268	0	0,9D+1Ex+0,3Ey	Combination	-158,032	8,7288	-27,8935	3,9651	-15,618	3,783
269	3,5	1,2D+1,6L+1LR	Combination	-163,091	-19,7772	3,5268	0,8098	-0,97	16,738
261	3,5	1,2D+1,6L+1LR	Combination	-163,121	-19,7838	-3,5267	-0,8086	0,971	16,741
262	0	0,9D+1Ex+0,3Ey	Combination	-163,214	13,2465	-13,5524	2,0557	-6,495	10,493
268	1,75	0,9D+1Ex+0,3Ey	Combination	-163,963	2,1087	-0,5611	3,9651	-15,618	3,783
269	3,5	1,4D	Combination	-165,043	-17,8261	5,0988	0,7537	-2,506	13,494
261	3,5	1,4D	Combination	-165,077	-17,8338	-5,0987	-0,7523	2,507	13,498
262	1,75	0,9D+1Ex+0,3Ey	Combination	-169,145	-5,1158	-2,1859	2,0557	-6,495	10,493
268	1,75	0,9D+1Ex+0,3Ey	Combination	-170,46	9,5261	-2,1317	-3,3	-14,757	15,814
260	0	0,9D+1Ex+0,3Ey	Combination	-172,787	8,036	-14,4353	0,4781	-7,21	4,051
268	0	0,9D+0,3Ex+1Ey	Combination	-173,915	16,3598	-12,6734	2,4648	-6,922	8,944

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	M2	M3	T	V2	V3
Text	m	Text	Text	KN	KN-m	KN-m	KN-m	KN	KN
269	1,75	1,2D+1L+1Ex+0,3Ey	Combination	-174,276	12,8502	-2,9456	1,8182	-7,403	18,765
261	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-174,457	8,6324	-1,4429	1,2764	0,883	14,895
262	0	0,9D+0,3Ex+1Ey	Combination	-175,494	17,7189	0,2392	-0,6596	0,286	10,959
214	0	0,9D+0,3Ex+1Ey	Combination	-176,151	22,4407	-3,8642	-0,2339	-2,934	14,243
268	3,5	0,9D+1Ex+0,3Ey	Combination	-176,391	-18,1481	23,6937	-3,3	-14,757	15,814
223	0	0,9D+0,3Ex+1Ey	Combination	-177,146	26,3468	-1,7073	0,7488	-2,369	22,054
264	0	0,9D+1Ex+0,3Ey	Combination	-177,756	13,7155	-25,0272	0,2804	-13,82	7,514
265	0	0,9D+1Ex+0,3Ey	Combination	-177,968	13,9381	-25,0646	-0,1622	-13,86	7,589
267	0	0,9D+1Ex+0,3Ey	Combination	-178,088	14,2088	-25,1125	-0,2064	-13,956	7,656
266	0	0,9D+1Ex+0,3Ey	Combination	-178,093	14,1428	-25,0714	0,2737	-13,842	7,659
260	1,75	0,9D+1Ex+0,3Ey	Combination	-178,718	0,9464	-1,8169	0,4781	-7,21	4,051
268	1,75	0,9D+0,3Ex+1Ey	Combination	-179,846	0,7083	-0,5608	2,4648	-6,922	8,944
251	0	0,9D+1Ex+0,3Ey	Combination	-180,345	5,574	-30,1032	0,3179	-16,664	2,909
263	0	0,9D+1Ex+0,3Ey	Combination	-180,425	13,4522	-26,2254	-0,2138	-14,626	7,429
262	1,75	0,9D+0,3Ex+1Ey	Combination	-181,425	-1,4586	-0,262	-0,6596	0,286	10,959
262	1,75	0,9D+1Ex+0,3Ey	Combination	-181,683	4,0765	-4,1806	-1,3845	-9,884	8,539
269	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-182,185	-19,9889	10,0097	1,8182	-7,403	18,765
261	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-182,365	-17,4332	-2,9881	1,2764	0,883	14,895
214	2	0,9D+0,3Ex+1Ey	Combination	-182,929	-6,0455	2,0048	-0,2339	-2,934	14,243
223	0	1,2D+1L+1Ex+0,3Ey	Combination	-183,126	9,9643	-8,0509	-0,0685	-7,477	5,007
252	0	1,2D+1L+1Ex+0,3Ey	Combination	-183,6	7,8078	-7,9714	0,5754	-3,441	4,203
264	1,75	0,9D+1Ex+0,3Ey	Combination	-183,687	0,5661	-0,8431	0,2804	-13,82	7,514
265	1,75	0,9D+1Ex+0,3Ey	Combination	-183,9	0,6582	-0,8101	-0,1622	-13,86	7,589
223	2	0,9D+0,3Ex+1Ey	Combination	-183,924	-17,7621	3,0313	0,7488	-2,369	22,054
267	1,75	0,9D+1Ex+0,3Ey	Combination	-184,019	0,8101	-0,6887	-0,2064	-13,956	7,656
266	1,75	0,9D+1Ex+0,3Ey	Combination	-184,024	0,7396	-0,8472	0,2737	-13,842	7,659
260	3,5	0,9D+1Ex+0,3Ey	Combination	-184,649	-6,1433	10,8014	0,4781	-7,21	4,051
269	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-185,737	11,2975	-0,9533	-0,3452	-4,282	17,087
251	1,75	0,9D+1Ex+0,3Ey	Combination	-186,276	0,4838	-0,9413	0,3179	-16,664	2,909
263	1,75	0,9D+1Ex+0,3Ey	Combination	-186,356	0,452	-0,6292	-0,2138	-14,626	7,429
247	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-360,695	1,1189	-0,2627	0,0892	-4,381	12,763
249	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-360,738	1,1497	-0,2511	0,0724	-4,345	12,855
250	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-361,111	1,1433	-0,3098	-0,0585	-4,179	12,896
248	3,5	Untuk Vg	Combination	-361,366	3,011	-0,0048	-0,0003635	0,002467	-1,723
246	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-361,434	1,0953	-0,1936	-0,0617	-4,625	12,689
249	3,5	Untuk Vg	Combination	-361,471	2,9989	0,0062	-0,0052	-0,0005342	-1,719
247	3,5	Untuk Vg	Combination	-361,501	2,9962	-0,0051	0,0048	0,0002022	-1,717
246	3,5	Untuk Vg	Combination	-362,079	2,9958	0,3674	-0,0287	-0,178	-1,714
250	3,5	Untuk Vg	Combination	-362,24	2,9488	-0,474	0,028	0,236	-1,697
253	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-362,556	-23,4259	-4,0481	-0,0977	2,059	14,262
248	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-363,505	-4,2827	24,637	-0,1608	-14,564	2,641
247	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-363,52	-4,065	24,5982	0,2758	-14,549	2,484
250	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-363,54	-4,7676	24,5337	-0,1792	-14,529	2,969
249	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-363,735	-4,5072	24,5905	0,2638	-14,538	2,796
246	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-364,992	-3,832	25,392	-0,2199	-14,953	2,319
253	1,75	Untuk Vg	Combination	-366,227	0,1956	0,1743	-0,0483	5,034	1,656
222	0	Untuk Vg	Combination	-366,286	1,6344	-3,5115	-0,1951	-1,358	1,077
214	0	Untuk Vg	Combination	-366,296	1,6481	3,5065	0,1952	1,357	1,082
259	1,75	Untuk Vg	Combination	-366,455	0,29	-0,1745	0,0477	-5,034	1,607
222	2	1,4D	Combination	-366,783	-0,3121	-0,6182	-0,1646	-1,061	0,642
214	2	1,4D	Combination	-366,794	-0,3083	0,6156	0,1647	1,059	0,648
253	3,5	1,4D	Combination	-366,855	-1,4917	-10,9001	-0,0394	6,32	0,982
259	3,5	1,4D	Combination	-367,121	-1,2803	10,9004	0,0387	-6,32	0,924
248	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-368,495	-21,3013	7,3877	-0,0485	-4,367	12,823
247	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-368,603	-21,216	7,4047	0,0892	-4,381	12,763
249	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-368,646	-21,3468	7,3527	0,0724	-4,345	12,855
250	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-369,019	-21,4248	7,0025	-0,0585	-4,179	12,896
246	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-369,342	-21,1112	7,9005	-0,0617	-4,625	12,689
222	2	1,2D+1L+0,3Ex+1Ey	Combination	-369,477	-6,5803	1,1153	-0,5169	-4,483	15,65
232	0	Untuk Vg	Combination	-371,204	10,9837	-8,1857	0,5717	-4,844	7,078
226	0	Untuk Vg	Combination	-371,215	10,9507	8,1888	-0,5726	4,846	7,06
209	0	0,9D+1Ex+0,3Ey	Combination	-373,856	6,4247	-27,7016	-0,5932	-15,478	4,243
253	3,5	Untuk Vg	Combination	-374,135	-2,7026	-8,6354	-0,0483	5,034	1,656
210	0	0,9D+1Ex+0,3Ey	Combination	-374,212	7,0559	-27,7724	0,7733	-15,506	4,596
259	3,5	Untuk Vg	Combination	-374,363	-2,5214	8,6357	0,0477	-5,034	1,607
211	0	0,9D+1Ex+0,3Ey	Combination	-374,503	7,6661	-27,7851	-0,623	-15,513	4,939
212	0	0,9D+1Ex+0,3Ey	Combination	-374,553	8,3627	-27,7896	0,8758	-15,514	5,319
222	2	Untuk Vg	Combination	-375,324	-0,5202	-0,7957	-0,1951	-1,358	1,077
214	2	Untuk Vg	Combination	-375,334	-0,5169	0,7935	0,1952	1,357	1,082
208	4	0,9D+1Ex+0,3Ey	Combination	-376,743	-5,6923	-28,142	0,8347	15,637	3,842
253	0	1,2D+1L+1Ex+0,3Ey	Combination	-376,75	9,2481	-11,9167	-0,3309	-6,014	5,047
222	4	1,4D	Combination	-377,327	-1,5955	1,5036	-0,1646	-1,061	0,642
214	4	1,4D	Combination	-377,338	-1,6039	-1,503	0,1647	1,059	0,648

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	M2	M3	T	V2	V3
Text	m	Text	Text	KN	KN-m	KN-m	KN-m	KN	KN
258	0	1,2D+1L+1Ex+0,3Ey	Combination	-377,569	11,377	-26,7257	0,2948	-14,885	6,207
258	0	1,2D+1L+0,3Ex+1Ey	Combination	-377,979	29,3882	-7,7214	0,0779	-4,275	16,094
256	0	1,2D+1L+0,3Ex+1Ey	Combination	-378,354	29,3015	-7,9105	0,0799	-4,388	16,053
255	0	1,2D+1L+0,3Ex+1Ey	Combination	-378,423	29,181	-7,865	-0,0504	-4,358	15,996
222	4	1,2D+1L+0,3Ex+1Ey	Combination	-378,515	-37,8803	10,0804	-0,5169	-4,483	15,65
257	0	1,2D+1L+0,3Ex+1Ey	Combination	-378,57	29,3702	-7,9166	-0,0554	-4,383	16,085
255	0	1,2D+1L+1Ex+0,3Ey	Combination	-379,126	10,4183	-26,2827	-0,1848	-14,561	5,746
232	0	1,2D+1L+1Ex+0,3Ey	Combination	-379,295	9,909	-36,0195	4,6617	-24,635	4,307
256	0	1,2D+1L+1Ex+0,3Ey	Combination	-379,307	10,7347	-26,3731	0,2668	-14,628	5,894
254	0	1,2D+1L+0,3Ex+1Ey	Combination	-379,497	29,0042	-8,7259	0,1064	-4,897	15,917
257	0	1,2D+1L+1Ex+0,3Ey	Combination	-379,621	11,0546	-26,331	-0,1663	-14,58	6,047
256	0	Untuk Vg	Combination	-379,716	2,7774	0,002	-0,0002265	0,001212	1,54
257	0	Untuk Vg	Combination	-379,748	2,7899	-0,0216	0,0139	-0,007434	1,548
255	0	Untuk Vg	Combination	-379,751	2,7923	0,0252	-0,0145	0,0095	1,55
232	2	Untuk Vg	Combination	-380,242	-3,1725	1,5017	0,5717	-4,844	7,078
226	2	Untuk Vg	Combination	-380,253	-3,1699	-1,5034	-0,5726	4,846	7,06
209	2	0,9D+1Ex+0,3Ey	Combination	-380,634	-2,0605	3,2544	-0,5932	-15,478	4,243
256	0	1,4D	Combination	-380,706	1,2973	0,0024	-0,0002642	0,001414	0,696
254	0	Untuk Vg	Combination	-380,707	2,8231	-0,7725	0,0122	-0,445	1,579
258	0	Untuk Vg	Combination	-380,73	2,8205	0,7787	-0,0127	0,448	1,571
257	0	1,4D	Combination	-380,76	1,3103	-0,0338	0,0114	-0,015	0,703
255	0	1,4D	Combination	-380,762	1,3132	0,0379	-0,0122	0,018	0,706
210	2	0,9D+1Ex+0,3Ey	Combination	-380,991	-2,1369	3,2386	0,7733	-15,506	4,596
211	2	0,9D+1Ex+0,3Ey	Combination	-381,282	-2,2112	3,2403	-0,623	-15,513	4,939
212	2	0,9D+1Ex+0,3Ey	Combination	-381,331	-2,275	3,2377	0,8758	-15,514	5,319
254	0	1,4D	Combination	-381,909	1,3441	-0,896	0,0104	-0,521	0,731
258	0	1,4D	Combination	-381,935	1,3411	0,9032	-0,011	0,525	0,722
254	0	1,2D+1L+1Ex+0,3Ey	Combination	-382,68	10,0912	-28,1129	0,3208	-15,697	5,601
208	2	0,9D+1Ex+0,3Ey	Combination	-383,521	1,9911	3,1315	0,8347	15,637	3,842
222	4	Untuk Vg	Combination	-384,362	-2,6747	1,9201	-0,1951	-1,358	1,077
214	4	Untuk Vg	Combination	-384,372	-2,6818	-1,9196	0,1952	1,357	1,082
209	0	0,9D+0,3Ex+1Ey	Combination	-384,496	26,1441	-8,293	-0,1602	-4,638	15,773
210	0	0,9D+0,3Ex+1Ey	Combination	-384,611	26,3538	-8,3309	0,232	-4,651	15,891
253	1,75	1,2D+1L+1Ex+0,3Ey	Combination	-384,658	0,4153	-1,3927	-0,3309	-6,014	5,047
211	0	0,9D+0,3Ex+1Ey	Combination	-384,666	26,5177	-8,3556	-0,2046	-4,66	15,982
258	1,75	1,2D+1L+1Ex+0,3Ey	Combination	-385,477	0,5153	-0,6767	0,2948	-14,885	6,207
212	0	0,9D+0,3Ex+1Ey	Combination	-385,724	26,7173	-8,1774	0,2746	-4,592	16,081
258	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-385,887	1,2244	-0,2404	0,0779	-4,275	16,094
208	4	0,9D+0,3Ex+1Ey	Combination	-386,165	-25,8872	-8,5684	0,2385	4,74	15,627
256	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-386,262	1,2085	-0,2323	0,0799	-4,388	16,053
255	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-386,331	1,1883	-0,2377	-0,0504	-4,358	15,996
257	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-386,478	1,2219	-0,2471	-0,0554	-4,383	16,085
255	1,75	1,2D+1L+1Ex+0,3Ey	Combination	-387,034	0,3625	-0,8004	-0,1848	-14,561	5,746
256	1,75	1,2D+1L+1Ex+0,3Ey	Combination	-387,215	0,4201	-0,7742	0,2668	-14,628	5,894
254	1,75	1,2D+1L+0,3Ex+1Ey	Combination	-387,405	1,1487	-0,1556	0,1064	-4,897	15,917
209	4	0,9D+1Ex+0,3Ey	Combination	-387,412	-10,5457	34,2103	-0,5932	-15,478	4,243
257	1,75	1,2D+1L+1Ex+0,3Ey	Combination	-387,529	0,4724	-0,8152	-0,1663	-14,58	6,047
256	1,75	Untuk Vg	Combination	-387,624	0,0822	-0,00009313	-0,0002265	0,001212	1,54
257	1,75	Untuk Vg	Combination	-387,657	0,0803	-0,0086	0,0139	-0,007434	1,548
255	1,75	Untuk Vg	Combination	-387,659	0,0794	0,0085	-0,0145	0,0095	1,55
210	4	0,9D+1Ex+0,3Ey	Combination	-387,769	-11,3297	34,2496	0,7733	-15,506	4,596
232	0	1,4D	Combination	-387,793	10,449	-8,3211	0,5735	-4,596	5,713
226	0	1,4D	Combination	-387,806	10,4105	8,3248	-0,5747	4,599	5,693
211	4	0,9D+1Ex+0,3Ey	Combination	-388,06	-12,0885	34,2657	-0,623	-15,513	4,939
212	4	0,9D+1Ex+0,3Ey	Combination	-388,109	-12,9126	34,265	0,8758	-15,514	5,319
232	2	1,2D+1L+1Ex+0,3Ey	Combination	-388,333	1,2955	13,2497	4,6617	-24,635	4,307
254	1,75	Untuk Vg	Combination	-388,615	0,0607	0,0057	0,0122	-0,445	1,579
258	1,75	Untuk Vg	Combination	-388,638	0,072	-0,0057	-0,0127	0,448	1,571
256	1,75	1,4D	Combination	-389,932	0,0793	-0,0001087	-0,0002642	0,001414	0,696
257	1,75	1,4D	Combination	-389,986	0,0794	-0,007	0,0114	-0,015	0,703
255	1,75	1,4D	Combination	-389,989	0,0783	0,0069	-0,0122	0,018	0,706
226	0	1,2D+1L+1Ex+0,3Ey	Combination	-390,261	16,5577	-20,113	1,6647	-15,543	13,291
208	0	0,9D+1Ex+0,3Ey	Combination	-390,3	9,6746	34,405	0,8347	15,637	3,842
254	1,75	1,2D+1L+1Ex+0,3Ey	Combination	-390,588	0,2895	-0,6432	0,3208	-15,697	5,601
254	1,75	1,4D	Combination	-391,135	0,0643	0,0155	0,0104	-0,521	0,731
258	1,75	1,4D	Combination	-391,161	0,0775	-0,0155	-0,011	0,525	0,722
209	2	0,9D+0,3Ex+1Ey	Combination	-391,275	-5,4023	0,9825	-0,1602	-4,638	15,773
210	2	0,9D+0,3Ex+1Ey	Combination	-391,389	-5,4289	0,9715	0,232	-4,651	15,891
232	2	Untuk Vg	Combination	-391,421	2,2081	1,6178	-0,6313	0,979	4,058
226	2	Untuk Vg	Combination	-391,436	2,2127	-1,6194	0,6325	-0,979	4,06
211	2	0,9D+0,3Ex+1Ey	Combination	-391,444	-5,4472	0,9647	-0,2046	-4,66	15,982
212	2	0,9D+0,3Ex+1Ey	Combination	-392,502	-5,4442	1,0069	0,2746	-4,592	16,081
253	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-392,566	-8,4176	9,1313	-0,3309	-6,014	5,047

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	M2	M3	T	V2	V3
Text	m	Text	Text	KN	KN-m	KN-m	KN-m	KN	KN
208	2	0,9D+0,3Ex+1Ey	Combination	-392,944	5,3665	0,9119	0,2385	4,74	15,627
258	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-393,385	-10,3464	25,3724	0,2948	-14,885	6,207
258	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-393,795	-26,9394	7,2407	0,0779	-4,275	16,094
256	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-394,17	-26,8844	7,4459	0,0799	-4,388	16,053
255	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-394,239	-26,8045	7,3896	-0,0504	-4,358	15,996
257	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-394,386	-26,9264	7,4225	-0,0554	-4,383	16,085
255	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-394,942	-9,6933	24,6819	-0,1848	-14,561	5,746
256	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-395,123	-9,8945	24,8247	0,2668	-14,628	5,894
254	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-395,313	-26,7067	8,4147	0,1064	-4,897	15,917
257	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-395,437	-10,1098	24,7005	-0,1663	-14,58	6,047
256	3,5	Untuk Vg	Combination	-395,532	-2,6131	-0,0022	-0,0002265	0,001212	1,54
257	3,5	Untuk Vg	Combination	-395,565	-2,6292	0,0044	0,0139	-0,007434	1,548
255	3,5	Untuk Vg	Combination	-395,567	-2,6335	-0,0081	-0,0145	0,0095	1,55
248	0	1,2D+1,6L+1LR	Combination	-396,434	-2,5381	0,0038	-0,0003635	0,002467	-1,438
254	3,5	Untuk Vg	Combination	-396,524	-2,7017	0,7839	0,0122	-0,445	1,579
258	3,5	Untuk Vg	Combination	-396,546	-2,6765	-0,7901	-0,0127	0,448	1,571
249	0	1,2D+1,6L+1LR	Combination	-396,569	-2,5337	0,0105	-0,0066	0,00262	-1,433
247	0	1,2D+1,6L+1LR	Combination	-396,599	-2,5307	-0,0106	0,0062	-0,002952	-1,431
246	0	1,2D+1,6L+1LR	Combination	-397,083	-2,5204	-0,1983	-0,035	-0,149	-1,427
250	0	1,2D+1,6L+1LR	Combination	-397,244	-2,5096	0,2964	0,0342	0,207	-1,41
209	4	0,9D+0,3Ex+1Ey	Combination	-398,053	-36,9487	10,2581	-0,1602	-4,638	15,773
210	4	0,9D+0,3Ex+1Ey	Combination	-398,167	-37,2116	10,2739	0,232	-4,651	15,891
211	4	0,9D+0,3Ex+1Ey	Combination	-398,223	-37,412	10,2849	-0,2046	-4,66	15,982
232	2	1,4D	Combination	-398,337	-0,9777	0,8705	0,5735	-4,596	5,713
226	2	1,4D	Combination	-398,35	-0,9748	-0,8724	-0,5747	4,599	5,693
254	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-398,496	-9,5121	26,8264	0,3208	-15,697	5,601
256	3,5	1,4D	Combination	-399,158	-1,1387	-0,0026	-0,0002642	0,001414	0,696
257	3,5	1,4D	Combination	-399,212	-1,1516	0,0197	0,0114	-0,015	0,703
255	3,5	1,4D	Combination	-399,215	-1,1566	-0,0241	-0,0122	0,018	0,706
212	4	0,9D+0,3Ex+1Ey	Combination	-399,281	-37,6057	10,1913	0,2746	-4,592	16,081
226	2	1,2D+1L+1Ex+0,3Ey	Combination	-399,299	-10,0239	10,9726	1,6647	-15,543	13,291
208	0	0,9D+0,3Ex+1Ey	Combination	-399,722	36,6202	10,3922	0,2385	4,74	15,627
254	3,5	1,4D	Combination	-400,361	-1,2155	0,927	0,0104	-0,521	0,731
258	3,5	1,4D	Combination	-400,387	-1,1861	-0,9342	-0,011	0,525	0,722
232	4	Untuk Vg	Combination	-400,459	-5,9078	-0,3405	-0,6313	0,979	4,058
226	4	Untuk Vg	Combination	-400,473	-5,9069	0,3389	0,6325	-0,979	4,06
232	2	1,2D+1L+1Ex+0,3Ey	Combination	-400,957	11,9857	11,3638	-6,3067	-6,215	20,373
232	0	1,2D+1,6L+1LR	Combination	-403,287	12,1468	-8,831	0,6506	-5,384	8,333
226	0	1,2D+1,6L+1LR	Combination	-403,298	12,1138	8,8342	-0,6515	5,387	8,316
248	1,75	1,2D+1,6L+1LR	Combination	-404,342	-0,0212	-0,0005148	-0,0003635	0,002467	-1,438
249	1,75	1,2D+1,6L+1LR	Combination	-404,477	-0,0263	0,0059	-0,0066	0,00262	-1,433
247	1,75	1,2D+1,6L+1LR	Combination	-404,507	-0,0261	-0,0054	0,0062	-0,002952	-1,431
246	1,75	1,2D+1,6L+1LR	Combination	-404,991	-0,0233	0,0618	-0,035	-0,149	-1,427
250	1,75	1,2D+1,6L+1LR	Combination	-405,152	-0,0414	-0,0661	0,0342	0,207	-1,41
232	2	1,4D	Combination	-405,953	2,7973	0,8647	-0,6529	0,153	4,32
226	2	1,4D	Combination	-405,97	2,8027	-0,8666	0,6543	-0,153	4,322
215	0	0,9D+1Ex+0,3Ey	Combination	-406,82	6,5095	-17,8951	1,0109	-11,68	4,009
220	0	0,9D+1Ex+0,3Ey	Combination	-409,282	10,4613	-27,984	-0,7246	-15,475	6,095
220	0	0,9D+0,3Ex+1Ey	Combination	-409,842	28,8371	-8,2836	-0,2566	-4,609	16,87
217	0	0,9D+0,3Ex+1Ey	Combination	-409,923	28,3163	-8,1094	0,2291	-4,529	16,582
232	4	1,2D+1L+1Ex+0,3Ey	Combination	-409,994	-28,761	23,794	-6,3067	-6,215	20,373
218	0	0,9D+0,3Ex+1Ey	Combination	-410,055	28,5224	-8,2142	-0,1802	-4,574	16,698
219	0	0,9D+0,3Ex+1Ey	Combination	-410,227	28,6981	-8,2344	0,2563	-4,585	16,796
253	0	1,2D+1,6L+1LR	Combination	-410,26	3,9897	8,7279	-0,0593	4,868	2,166
222	0	1,2D+1,6L+1LR	Combination	-410,303	2,1189	-4,2509	-0,232	-1,643	1,394
214	0	1,2D+1,6L+1LR	Combination	-410,313	2,1326	4,2459	0,2321	1,642	1,399
259	0	1,2D+1,6L+1LR	Combination	-410,488	3,9973	-8,7286	0,0587	-4,868	2,116
217	0	0,9D+1Ex+0,3Ey	Combination	-411,94	8,5981	-27,1795	0,7973	-15,165	5,05
248	3,5	1,2D+1,6L+1LR	Combination	-412,25	2,4957	-0,0048	-0,0003635	0,002467	-1,438
232	2	1,2D+1,6L+1LR	Combination	-412,325	-4,5201	1,9375	0,6506	-5,384	8,333
226	2	1,2D+1,6L+1LR	Combination	-412,336	-4,5175	-1,9392	-0,6515	5,387	8,316
249	3,5	1,2D+1,6L+1LR	Combination	-412,385	2,4812	0,0014	-0,0066	0,00262	-1,433
247	3,5	1,2D+1,6L+1LR	Combination	-412,415	2,4785	-0,0002761	0,0062	-0,002952	-1,431
218	0	0,9D+1Ex+0,3Ey	Combination	-412,513	9,24	-27,3827	-0,6009	-15,247	5,41
216	0	0,9D+0,3Ex+1Ey	Combination	-412,866	28,0967	-8,6364	-0,1593	-4,718	16,452
246	3,5	1,2D+1,6L+1LR	Combination	-412,899	2,4739	0,3219	-0,035	-0,149	-1,427
219	0	0,9D+1Ex+0,3Ey	Combination	-412,959	9,8706	-27,3032	0,8207	-15,219	5,763
250	3,5	1,2D+1,6L+1LR	Combination	-413,06	2,4268	-0,4285	0,0342	0,207	-1,41
215	2	0,9D+1Ex+0,3Ey	Combination	-413,599	-1,5084	5,4647	1,0109	-11,68	4,009
232	0	1,2D+1L+0,3Ex+1Ey	Combination	-414,789	17,5354	-15,8261	4,6087	-9,874	11,493
220	2	0,9D+1Ex+0,3Ey	Combination	-416,06	-1,729	2,9659	-0,7246	-15,475	6,095
232	4	1,4D	Combination	-416,497	-5,8422	0,558	-0,6529	0,153	4,32
226	4	1,4D	Combination	-416,514	-5,8411	-0,5598	0,6543	-0,153	4,322

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	M2	M3	T	V2	V3
Text	m	Text	Text	KN	KN-m	KN-m	KN-m	KN	KN
220	2	0,9D+0,3Ex+1Ey	Combination	-416,621	-4,9034	0,9348	-0,2566	-4,609	16,87
217	2	0,9D+0,3Ex+1Ey	Combination	-416,702	-4,847	0,9493	0,2291	-4,529	16,582
218	2	0,9D+0,3Ex+1Ey	Combination	-416,833	-4,8738	0,9335	-0,1802	-4,574	16,698
219	2	0,9D+0,3Ex+1Ey	Combination	-417,005	-4,893	0,9365	0,2563	-4,585	16,796
226	0	1,2D+1L+0,3Ex+1Ey	Combination	-418,087	19,5069	-1,0115	-2,7114	-2,177	14,176
253	1,75	1,2D+1,6L+1LR	Combination	-418,168	0,1998	0,2086	-0,0593	4,868	2,166
259	1,75	1,2D+1,6L+1LR	Combination	-418,396	0,2942	-0,2088	0,0587	-4,868	2,116
217	2	0,9D+1Ex+0,3Ey	Combination	-418,718	-1,502	3,1512	0,7973	-15,165	5,05
218	2	0,9D+1Ex+0,3Ey	Combination	-419,292	-1,5792	3,1118	-0,6009	-15,247	5,41
216	0	0,9D+1Ex+0,3Ey	Combination	-419,313	7,9581	-28,4218	-0,6617	-15,619	4,689
222	2	1,2D+1,6L+1LR	Combination	-419,341	-0,6697	-0,9648	-0,232	-1,643	1,394
214	2	1,2D+1,6L+1LR	Combination	-419,351	-0,6664	0,9626	0,2321	1,642	1,399
226	2	1,2D+1L+1Ex+0,3Ey	Combination	-419,392	2,038	8,1602	-3,1345	-8,004	7,412
216	2	0,9D+0,3Ex+1Ey	Combination	-419,645	-4,808	0,7996	-0,1593	-4,718	16,452
219	2	0,9D+1Ex+0,3Ey	Combination	-419,737	-1,6557	3,1356	0,8207	-15,219	5,763
215	4	0,9D+1Ex+0,3Ey	Combination	-420,377	-9,5262	28,8244	1,0109	-11,68	4,009
220	4	0,9D+1Ex+0,3Ey	Combination	-422,839	-13,9194	33,9159	-0,7246	-15,475	6,095
220	4	0,9D+0,3Ex+1Ey	Combination	-423,399	-38,6439	10,1531	-0,2566	-4,609	16,87
217	4	0,9D+0,3Ex+1Ey	Combination	-423,48	-38,0103	10,008	0,2291	-4,529	16,582
218	4	0,9D+0,3Ex+1Ey	Combination	-423,612	-38,27	10,0811	-0,1802	-4,574	16,698
219	4	0,9D+0,3Ex+1Ey	Combination	-423,783	-38,4842	10,1073	0,2563	-4,585	16,796
232	2	1,2D+1L+0,3Ex+1Ey	Combination	-423,827	-5,4508	3,9221	4,6087	-9,874	11,493
217	4	0,9D+1Ex+0,3Ey	Combination	-425,497	-11,6021	33,4818	0,7973	-15,165	5,05
218	4	0,9D+1Ex+0,3Ey	Combination	-426,07	-12,3984	33,6063	-0,6009	-15,247	5,41
253	3,5	1,2D+1,6L+1LR	Combination	-426,076	-3,5901	-8,3106	-0,0593	4,868	2,166
216	2	0,9D+1Ex+0,3Ey	Combination	-426,091	-1,4199	2,8155	-0,6617	-15,619	4,689
259	3,5	1,2D+1,6L+1LR	Combination	-426,304	-3,4089	8,3109	0,0587	-4,868	2,116
232	2	1,2D+1,6L+1LR	Combination	-426,336	2,1889	2,1266	-0,7104	1,467	4,36
226	2	1,2D+1,6L+1LR	Combination	-426,351	2,1936	-2,1282	0,7116	-1,467	4,362
216	4	0,9D+0,3Ex+1Ey	Combination	-426,423	-37,7127	10,2356	-0,1593	-4,718	16,452
219	4	0,9D+1Ex+0,3Ey	Combination	-426,516	-13,1819	33,5743	0,8207	-15,219	5,763
226	2	1,2D+1L+0,3Ex+1Ey	Combination	-427,124	-8,8448	3,3434	-2,7114	-2,177	14,176
222	4	1,2D+1,6L+1LR	Combination	-428,379	-3,4582	2,3212	-0,232	-1,643	1,394
214	4	1,2D+1,6L+1LR	Combination	-428,389	-3,4654	-2,3207	0,2321	1,642	1,399
226	4	1,2D+1L+1Ex+0,3Ey	Combination	-428,43	-12,7867	24,1691	-3,1345	-8,004	7,412
216	4	0,9D+1Ex+0,3Ey	Combination	-432,87	-10,7979	34,0528	-0,6617	-15,619	4,689
256	0	1,2D+1,6L+1LR	Combination	-433,087	3,8289	0,002	-0,0002265	0,001212	2,134
257	0	1,2D+1,6L+1LR	Combination	-433,132	3,8426	-0,0146	0,017	-0,002526	2,143
255	0	1,2D+1,6L+1LR	Combination	-433,134	3,8451	0,0181	-0,0176	0,004592	2,145
254	0	1,2D+1,6L+1LR	Combination	-433,971	3,8784	-0,7371	0,0153	-0,424	2,177
258	0	1,2D+1,6L+1LR	Combination	-433,993	3,8758	0,7433	-0,0159	0,427	2,169
232	4	1,2D+1,6L+1LR	Combination	-435,374	-6,5316	-0,8071	-0,7104	1,467	4,36
226	4	1,2D+1,6L+1LR	Combination	-435,388	-6,5307	0,8055	0,7116	-1,467	4,362
222	0	1,2D+1L+1Ex+0,3Ey	Combination	-435,846	10,5001	-19,9193	-1,2951	-12,518	6,581
256	1,75	1,2D+1,6L+1LR	Combination	-440,995	0,0944	-0,00009313	-0,0002265	0,001212	2,134
257	1,75	1,2D+1,6L+1LR	Combination	-441,04	0,0916	-0,0102	0,017	-0,002526	2,143
255	1,75	1,2D+1,6L+1LR	Combination	-441,043	0,0906	0,0101	-0,0176	0,004592	2,145
254	1,75	1,2D+1,6L+1LR	Combination	-441,879	0,0679	0,0046	0,0153	-0,424	2,177
258	1,75	1,2D+1,6L+1LR	Combination	-441,901	0,0793	-0,0046	-0,0159	0,427	2,169
230	0	Untuk Vg	Combination	-443,82	8,8849	-0,0941	-0,0196	-0,041	3,839
228	0	Untuk Vg	Combination	-443,824	8,8834	0,0969	0,0197	0,043	3,838
229	0	Untuk Vg	Combination	-443,958	8,9025	0,0014	-0,00006646	0,0007383	3,848
222	2	1,2D+1L+1Ex+0,3Ey	Combination	-444,883	-2,6611	5,1163	-1,2951	-12,518	6,581
231	0	Untuk Vg	Combination	-446,713	8,8545	0,3011	0,0383	0,103	3,825
227	0	Untuk Vg	Combination	-446,72	8,8469	-0,2982	-0,0385	-0,102	3,822
256	3,5	1,2D+1,6L+1LR	Combination	-448,903	-3,6401	-0,0022	-0,0002265	0,001212	2,134
257	3,5	1,2D+1,6L+1LR	Combination	-448,949	-3,6595	-0,0058	0,017	-0,002526	2,143
255	3,5	1,2D+1,6L+1LR	Combination	-448,951	-3,6638	0,0021	-0,0176	0,004592	2,145
254	3,5	1,2D+1,6L+1LR	Combination	-449,787	-3,7425	0,7463	0,0153	-0,424	2,177
258	3,5	1,2D+1,6L+1LR	Combination	-449,809	-3,7173	-0,7524	-0,0159	0,427	2,169
232	2	1,2D+1L+0,3Ex+1Ey	Combination	-451,144	19,7057	4,4907	-5,2283	-1,435	38,782
228	0	1,2D+1L+1Ex+0,3Ey	Combination	-451,208	14,1233	-25,7373	-0,6	-14,511	7,431
229	0	1,2D+1L+1Ex+0,3Ey	Combination	-451,989	14,6184	-25,9681	0,784	-14,609	7,737
230	0	1,4D	Combination	-452,007	9,2742	-0,1009	-0,0197	-0,043	3,777
228	0	1,4D	Combination	-452,012	9,2724	0,1041	0,0198	0,045	3,777
229	0	1,4D	Combination	-452,234	9,2886	0,0016	-0,00007754	0,0008613	3,785
231	0	1,2D+1L+1Ex+0,3Ey	Combination	-452,416	15,5434	-26,1939	0,9289	-14,691	8,314
230	0	1,2D+1L+1Ex+0,3Ey	Combination	-452,425	15,071	-25,9501	-0,6483	-14,607	8,018
230	2	Untuk Vg	Combination	-452,857	1,2075	-0,0117	-0,0196	-0,041	3,839
228	2	Untuk Vg	Combination	-452,862	1,207	0,0114	0,0197	0,043	3,838
229	2	Untuk Vg	Combination	-452,996	1,2057	-0,000105	-0,00006646	0,0007383	3,848
222	4	1,2D+1L+1Ex+0,3Ey	Combination	-453,921	-15,8223	30,1518	-1,2951	-12,518	6,581
231	0	1,4D	Combination	-455,667	9,2511	0,4038	0,0398	0,141	3,767

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	M2	M3	T	V2	V3
Text	m	Text	Text	KN	KN-m	KN-m	KN-m	KN	KN
227	0	1,4D	Combination	-455,675	9,2422	-0,4004	-0,0399	-0,14	3,764
231	2	Untuk Vg	Combination	-455,751	1,205	0,0944	0,0383	0,103	3,825
227	2	Untuk Vg	Combination	-455,758	1,203	-0,0945	-0,0385	-0,102	3,822
226	2	1,2D+1L+0,3Ex+1Ey	Combination	-456,685	16,7246	1,3653	2,3968	-2,831	34,895
227	0	1,2D+1L+1Ex+0,3Ey	Combination	-457,55	13,5408	-26,8274	0,845	-14,902	7,082
232	4	1,2D+1L+0,3Ex+1Ey	Combination	-460,182	-57,8587	7,3612	-5,2283	-1,435	38,782
228	2	1,2D+1L+1Ex+0,3Ey	Combination	-460,246	-0,7394	3,2852	-0,6	-14,511	7,431
229	2	1,2D+1L+1Ex+0,3Ey	Combination	-461,027	-0,8558	3,2491	0,784	-14,609	7,737
231	2	1,2D+1L+1Ex+0,3Ey	Combination	-461,454	-1,0839	3,1886	0,9289	-14,691	8,314
230	2	1,2D+1L+1Ex+0,3Ey	Combination	-461,463	-0,9655	3,2648	-0,6483	-14,607	8,018
230	4	Untuk Vg	Combination	-461,895	-6,47	0,0708	-0,0196	-0,041	3,839
228	4	Untuk Vg	Combination	-461,9	-6,4694	-0,074	0,0197	0,043	3,838
229	4	Untuk Vg	Combination	-462,033	-6,4912	-0,0016	-0,00006646	0,0007383	3,848
230	2	1,4D	Combination	-462,551	1,7198	-0,0143	-0,0197	-0,043	3,777
228	2	1,4D	Combination	-462,556	1,7193	0,014	0,0198	0,045	3,777
229	2	1,4D	Combination	-462,778	1,7182	-0,0001226	-0,00007754	0,0008613	3,785
231	4	Untuk Vg	Combination	-464,789	-6,4444	-0,1124	0,0383	0,103	3,825
227	4	Untuk Vg	Combination	-464,795	-6,4409	0,1091	-0,0385	-0,102	3,822
226	4	1,2D+1L+0,3Ex+1Ey	Combination	-465,723	-53,0658	7,0267	2,3968	-2,831	34,895
231	2	1,4D	Combination	-466,212	1,7168	0,1211	0,0398	0,141	3,767
227	2	1,4D	Combination	-466,219	1,7144	-0,1213	-0,0399	-0,14	3,764
227	2	1,2D+1L+1Ex+0,3Ey	Combination	-466,588	-0,6226	2,976	0,845	-14,902	7,082
199	0	1,4D	Combination	-467,522	-5,0676	5,6054	0,0752	2,098	-1,576
228	4	1,2D+1L+1Ex+0,3Ey	Combination	-469,283	-15,6021	32,3077	-0,6	-14,511	7,431
229	4	1,2D+1L+1Ex+0,3Ey	Combination	-470,064	-16,3301	32,4662	0,784	-14,609	7,737
228	0	1,2D+1L+0,3Ex+1Ey	Combination	-470,29	27,7847	-7,6202	-0,1525	-4,305	16,705
231	4	1,2D+1L+1Ex+0,3Ey	Combination	-470,492	-17,7112	32,571	0,9289	-14,691	8,314
230	4	1,2D+1L+1Ex+0,3Ey	Combination	-470,501	-17,0019	32,4796	-0,6483	-14,607	8,018
230	0	1,2D+1L+0,3Ex+1Ey	Combination	-470,652	28,0701	-7,8841	-0,222	-4,43	16,881
229	0	1,2D+1L+0,3Ex+1Ey	Combination	-470,727	27,9554	-7,7895	0,2351	-4,382	16,811
230	4	1,4D	Combination	-473,095	-5,8346	0,0724	-0,0197	-0,043	3,777
228	4	1,4D	Combination	-473,1	-5,8339	-0,0761	0,0198	0,045	3,777
229	4	1,4D	Combination	-473,322	-5,8522	-0,0018	-0,00007754	0,0008613	3,785
231	0	1,2D+1L+0,3Ex+1Ey	Combination	-473,499	28,1252	-7,5955	0,3163	-4,327	16,924
227	0	1,2D+1L+0,3Ex+1Ey	Combination	-475,044	27,5191	-8,3088	0,2158	-4,55	16,552
227	4	1,2D+1L+1Ex+0,3Ey	Combination	-475,625	-14,7861	32,7794	0,845	-14,902	7,082
231	4	1,4D	Combination	-476,756	-5,8175	-0,1616	0,0398	0,141	3,767
227	4	1,4D	Combination	-476,764	-5,8135	0,1578	-0,0399	-0,14	3,764
199	2	1,4D	Combination	-478,066	-1,915	1,4085	0,0752	2,098	-1,576
228	2	1,2D+1L+0,3Ex+1Ey	Combination	-479,327	-5,6245	0,9895	-0,1525	-4,305	16,705
230	2	1,2D+1L+0,3Ex+1Ey	Combination	-479,69	-5,692	0,9753	-0,222	-4,43	16,881
229	2	1,2D+1L+0,3Ex+1Ey	Combination	-479,765	-5,666	0,9747	0,2351	-4,382	16,811
231	2	1,2D+1L+0,3Ex+1Ey	Combination	-482,537	-5,722	1,0585	0,3163	-4,327	16,924
227	2	1,2D+1L+0,3Ex+1Ey	Combination	-484,082	-5,5851	0,7908	0,2158	-4,55	16,552
213	0	1,4D	Combination	-485,688	-2,0956	-5,6026	-0,0751	-2,097	-0,47
228	4	1,2D+1L+0,3Ex+1Ey	Combination	-488,365	-39,0337	9,5993	-0,1525	-4,305	16,705
199	4	1,4D	Combination	-488,61	1,2376	-2,7885	0,0752	2,098	-1,576
230	0	1,2D+1,6L+1LR	Combination	-488,712	9,4821	-0,0987	-0,022	-0,044	4,212
228	0	1,2D+1,6L+1LR	Combination	-488,716	9,4805	0,1015	0,0221	0,045	4,212
230	4	1,2D+1L+0,3Ex+1Ey	Combination	-488,727	-39,4541	9,8347	-0,222	-4,43	16,881
229	4	1,2D+1L+0,3Ex+1Ey	Combination	-488,803	-39,2875	9,7388	0,2351	-4,382	16,811
229	0	1,2D+1,6L+1LR	Combination	-488,806	9,503	0,0014	-0,00006646	0,0007383	4,224
231	0	1,2D+1,6L+1LR	Combination	-491,411	9,4439	0,2673	0,0427	0,09	4,194
227	0	1,2D+1,6L+1LR	Combination	-491,418	9,4362	-0,2644	-0,0428	-0,088	4,192
231	4	1,2D+1L+0,3Ex+1Ey	Combination	-491,575	-39,5692	9,7125	0,3163	-4,327	16,924
227	4	1,2D+1L+0,3Ex+1Ey	Combination	-493,119	-38,6893	9,8904	0,2158	-4,55	16,552
213	2	1,4D	Combination	-496,232	-1,1559	-1,4089	-0,0751	-2,097	-0,47
230	2	1,2D+1,6L+1LR	Combination	-497,75	1,0577	-0,0112	-0,022	-0,044	4,212
228	2	1,2D+1,6L+1LR	Combination	-497,754	1,0572	0,0109	0,0221	0,045	4,212
229	2	1,2D+1,6L+1LR	Combination	-497,844	1,0556	-0,000105	-0,00006646	0,0007383	4,224
231	2	1,2D+1,6L+1LR	Combination	-500,449	1,0549	0,0873	0,0427	0,09	4,194
227	2	1,2D+1,6L+1LR	Combination	-500,456	1,0528	-0,0874	-0,0428	-0,088	4,192
213	4	1,4D	Combination	-506,776	-0,2162	2,7848	-0,0751	-2,097	-0,47
230	4	1,2D+1,6L+1LR	Combination	-506,788	-7,3667	0,0764	-0,022	-0,044	4,212
228	4	1,2D+1,6L+1LR	Combination	-506,792	-7,3661	-0,0796	0,0221	0,045	4,212
229	4	1,2D+1,6L+1LR	Combination	-506,881	-7,3918	-0,0016	-0,00006646	0,0007383	4,224
199	0	Untuk Vg	Combination	-506,897	-3,4911	5,0141	0,0851	1,876	-0,786
231	4	1,2D+1,6L+1LR	Combination	-509,487	-7,3341	-0,0927	0,0427	0,09	4,194
227	4	1,2D+1,6L+1LR	Combination	-509,494	-7,3306	0,0895	-0,0428	-0,088	4,192
199	2	Untuk Vg	Combination	-515,935	-1,9187	1,2614	0,0851	1,876	-0,786
199	0	1,2D+1L+1Ex+0,3Ey	Combination	-517,095	2,4975	-21,2959	-0,6439	-13,088	2,826
213	0	1,2D+1L+1Ex+0,3Ey	Combination	-519,564	9,2029	-31,3168	-0,8201	-16,833	6,06
199	0	1,2D+1L+0,3Ex+1Ey	Combination	-521,019	22,7773	-2,8863	-0,1244	-2,621	14,721

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	M2	M3	T	V2	V3
Text	m	Text	Text	KN	KN-m	KN-m	KN-m	KN	KN
213	0	Untuk Vg	Combination	-522,468	-0,9437	-5,0117	-0,085	-1,875	0,162
221	0	1,2D+1L+1Ex+0,3Ey	Combination	-523,309	11,7925	-27,8342	1,1171	-15,432	7,047
199	4	Untuk Vg	Combination	-524,973	-0,3463	-2,4913	0,0851	1,876	-0,786
199	2	1,2D+1L+1Ex+0,3Ey	Combination	-526,133	-3,1548	4,8797	-0,6439	-13,088	2,826
213	2	1,2D+1L+1Ex+0,3Ey	Combination	-528,602	-2,9162	2,3501	-0,8201	-16,833	6,06
199	2	1,2D+1L+0,3Ex+1Ey	Combination	-530,057	-6,6639	2,3566	-0,1244	-2,621	14,721
213	2	Untuk Vg	Combination	-531,505	-1,2681	-1,2618	-0,085	-1,875	0,162
221	2	1,2D+1L+1Ex+0,3Ey	Combination	-532,347	-2,3021	3,029	1,1171	-15,432	7,047
213	0	1,2D+1L+0,3Ex+1Ey	Combination	-532,659	26,5721	-12,8958	-0,3147	-6,354	16,354
199	4	1,2D+1L+1Ex+0,3Ey	Combination	-535,17	-8,8071	31,0553	-0,6439	-13,088	2,826
221	0	1,2D+1L+0,3Ex+1Ey	Combination	-536,084	28,0185	-12,5931	0,3772	-6,23	16,905
213	4	1,2D+1L+1Ex+0,3Ey	Combination	-537,64	-15,0353	36,0171	-0,8201	-16,833	6,06
199	4	1,2D+1L+0,3Ex+1Ey	Combination	-539,095	-36,105	7,5995	-0,1244	-2,621	14,721
213	4	Untuk Vg	Combination	-540,543	-1,5925	2,4882	-0,085	-1,875	0,162
221	4	1,2D+1L+1Ex+0,3Ey	Combination	-541,385	-16,3967	33,8923	1,1171	-15,432	7,047
213	2	1,2D+1L+0,3Ex+1Ey	Combination	-541,697	-6,1368	-0,1879	-0,3147	-6,354	16,354
221	2	1,2D+1L+0,3Ex+1Ey	Combination	-545,122	-5,7916	-0,1337	0,3772	-6,23	16,905
213	4	1,2D+1L+0,3Ex+1Ey	Combination	-550,735	-38,8458	12,5201	-0,3147	-6,354	16,354
221	4	1,2D+1L+0,3Ex+1Ey	Combination	-554,159	-39,6018	12,3258	0,3772	-6,23	16,905
221	0	1,4D	Combination	-559,91	1,2406	-6,6439	0,0664	-2,502	0,79
215	0	1,4D	Combination	-560,229	1,4757	6,6432	-0,0666	2,503	0,877
221	2	1,4D	Combination	-570,454	-0,3387	-1,639	0,0664	-2,502	0,79
215	2	1,4D	Combination	-570,773	-0,2788	1,6377	-0,0666	2,503	0,877
215	0	1,2D+1L+0,3Ex+1Ey	Combination	-571,67	27,0259	-0,8079	0,254	-1,78	16,312
211	0	1,4D	Combination	-575,095	-1,8961	-0,0748	-0,0182	-0,032	-0,383
209	0	1,4D	Combination	-575,15	-1,8987	0,0691	0,0183	0,03	-0,384
210	0	1,4D	Combination	-575,176	-1,8893	0,0018	-0,00007247	0,0009799	-0,38
208	4	1,4D	Combination	-577,237	1,9503	-0,2238	-0,0338	0,073	-0,403
212	0	1,4D	Combination	-577,716	-1,8859	0,2985	0,0336	0,102	-0,379
215	2	1,2D+1L+0,3Ex+1Ey	Combination	-580,707	-5,5977	2,7523	0,254	-1,78	16,312
221	4	1,4D	Combination	-580,999	-1,9179	3,3658	0,0664	-2,502	0,79
215	4	1,4D	Combination	-581,317	-2,0332	-3,3677	-0,0666	2,503	0,877
199	0	1,2D+1,6L+1LR	Combination	-584,47	-3,0165	5,18	0,0998	1,938	-0,462
211	2	1,4D	Combination	-585,639	-1,1294	-0,011	-0,0182	-0,032	-0,383
209	2	1,4D	Combination	-585,694	-1,1302	0,0083	0,0183	0,03	-0,384
210	2	1,4D	Combination	-585,72	-1,1294	-0,0001408	-0,00007247	0,0009799	-0,38
208	2	1,4D	Combination	-587,781	1,1448	-0,0774	-0,0338	0,073	-0,403
212	2	1,4D	Combination	-588,26	-1,1282	0,0952	0,0336	0,102	-0,379
215	4	1,2D+1L+0,3Ex+1Ey	Combination	-589,745	-38,2213	6,3126	0,254	-1,78	16,312
199	2	1,2D+1,6L+1LR	Combination	-593,508	-2,0934	1,3037	0,0998	1,938	-0,462
221	0	Untuk Vg	Combination	-594,345	2,2512	-5,3319	0,0662	-2,02	1,374
215	0	Untuk Vg	Combination	-594,618	2,4528	5,3313	-0,0663	2,02	1,45
211	4	1,4D	Combination	-596,183	-0,3628	0,0528	-0,0182	-0,032	-0,383
209	4	1,4D	Combination	-596,238	-0,3616	-0,0524	0,0183	0,03	-0,384
210	4	1,4D	Combination	-596,264	-0,3695	-0,0021	-0,00007247	0,0009799	-0,38
208	0	1,4D	Combination	-598,325	0,3393	0,0691	-0,0338	0,073	-0,403
212	4	1,4D	Combination	-598,804	-0,3706	-0,108	0,0336	0,102	-0,379
213	0	1,2D+1,6L+1LR	Combination	-600,041	-0,4691	-5,1776	-0,0997	-1,937	0,487
199	4	1,2D+1,6L+1LR	Combination	-602,546	-1,1703	-2,5726	0,0998	1,938	-0,462
221	2	Untuk Vg	Combination	-603,382	-0,4976	-1,2917	0,0662	-2,02	1,374
215	2	Untuk Vg	Combination	-603,656	-0,4462	1,2906	-0,0663	2,02	1,45
213	2	1,2D+1,6L+1LR	Combination	-609,078	-1,4428	-1,3041	-0,0997	-1,937	0,487
211	0	Untuk Vg	Combination	-611,074	-0,6265	-0,0639	-0,0183	-0,028	0,297
210	0	Untuk Vg	Combination	-611,107	-0,6191	0,0016	-0,00006212	0,0008399	0,301
209	0	Untuk Vg	Combination	-611,122	-0,6288	0,0589	0,0184	0,026	0,296
221	4	Untuk Vg	Combination	-612,42	-3,2464	2,7486	0,0662	-2,02	1,374
215	4	Untuk Vg	Combination	-612,693	-3,3452	-2,7501	-0,0663	2,02	1,45
208	4	Untuk Vg	Combination	-612,836	0,6817	-0,1629	-0,0332	0,051	0,277
212	0	Untuk Vg	Combination	-613,247	-0,6265	0,2269	0,033	0,075	0,298
209	0	1,2D+1L+1Ex+0,3Ey	Combination	-615,238	7,0165	-27,6871	-0,5866	-15,471	4,786
210	0	1,2D+1L+1Ex+0,3Ey	Combination	-615,564	7,6515	-27,772	0,7733	-15,505	5,141
211	0	1,2D+1L+1Ex+0,3Ey	Combination	-615,874	8,2585	-27,8009	-0,6295	-15,52	5,482
212	0	1,2D+1L+1Ex+0,3Ey	Combination	-616,411	8,9486	-27,7546	0,8872	-15,504	5,86
213	4	1,2D+1,6L+1LR	Combination	-618,116	-2,4165	2,5695	-0,0997	-1,937	0,487
208	4	1,2D+1L+1Ex+0,3Ey	Combination	-618,498	-6,2644	-28,161	0,8232	15,64	4,378
211	2	Untuk Vg	Combination	-620,112	-1,2206	-0,0088	-0,0183	-0,028	0,297
210	2	Untuk Vg	Combination	-620,145	-1,2205	-0,0001207	-0,00006212	0,0008399	0,301
209	2	Untuk Vg	Combination	-620,159	-1,2212	0,0065	0,0184	0,026	0,296
208	2	Untuk Vg	Combination	-621,874	1,2363	-0,0616	-0,0332	0,051	0,277
212	2	Untuk Vg	Combination	-622,285	-1,222	0,0769	0,033	0,075	0,298
209	2	1,2D+1L+1Ex+0,3Ey	Combination	-624,276	-2,5552	3,2555	-0,5866	-15,471	4,786
210	2	1,2D+1L+1Ex+0,3Ey	Combination	-624,601	-2,6314	3,2386	0,7733	-15,505	5,141
211	2	1,2D+1L+1Ex+0,3Ey	Combination	-624,912	-2,7057	3,2386	-0,6295	-15,52	5,482

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	M2	M3	T	V2	V3
Text	m	Text	Text	KN	KN-m	KN-m	KN-m	KN	KN
212	2	1,2D+1L+1Ex+0,3Ey	Combination	-625,449	-2,7717	3,2534	0,8872	-15,504	5,86
209	0	1,2D+1L+0,3Ex+1Ey	Combination	-625,879	26,7359	-8,2785	-0,1536	-4,631	16,316
210	0	1,2D+1L+0,3Ex+1Ey	Combination	-625,962	26,9493	-8,3305	0,2319	-4,651	16,436
211	0	1,2D+1L+0,3Ex+1Ey	Combination	-626,037	27,1101	-8,3713	-0,2112	-4,667	16,526
208	2	1,2D+1L+1Ex+0,3Ey	Combination	-627,536	2,4914	3,1197	0,8232	15,64	4,378
212	0	1,2D+1L+0,3Ex+1Ey	Combination	-627,582	27,3032	-8,1424	0,286	-4,583	16,622
208	4	1,2D+1L+0,3Ex+1Ey	Combination	-627,921	-26,4593	-8,5875	0,227	4,744	16,163
211	4	Untuk Vg	Combination	-629,15	-1,8146	0,0462	-0,0183	-0,028	0,297
210	4	Untuk Vg	Combination	-629,183	-1,822	-0,0018	-0,00006212	0,0008399	0,301
209	4	Untuk Vg	Combination	-629,197	-1,8137	-0,0459	0,0184	0,026	0,296
208	0	Untuk Vg	Combination	-630,912	1,7908	0,0397	-0,0332	0,051	0,277
212	4	Untuk Vg	Combination	-631,323	-1,8176	-0,0731	0,033	0,075	0,298
209	4	1,2D+1L+1Ex+0,3Ey	Combination	-633,314	-12,1269	34,1982	-0,5866	-15,471	4,786
210	4	1,2D+1L+1Ex+0,3Ey	Combination	-633,639	-12,9142	34,2492	0,7733	-15,505	5,141
211	4	1,2D+1L+1Ex+0,3Ey	Combination	-633,95	-13,6699	34,278	-0,6295	-15,52	5,482
212	4	1,2D+1L+1Ex+0,3Ey	Combination	-634,486	-14,492	34,2613	0,8872	-15,504	5,86
209	2	1,2D+1L+0,3Ex+1Ey	Combination	-634,917	-5,897	0,9837	-0,1536	-4,631	16,316
210	2	1,2D+1L+0,3Ex+1Ey	Combination	-635	-5,9233	0,9715	0,2319	-4,651	16,436
211	2	1,2D+1L+0,3Ex+1Ey	Combination	-635,074	-5,9417	0,9629	-0,2112	-4,667	16,526
208	0	1,2D+1L+1Ex+0,3Ey	Combination	-636,574	11,2472	34,4003	0,8232	15,64	4,378
212	2	1,2D+1L+0,3Ex+1Ey	Combination	-636,62	-5,9409	1,0226	0,286	-4,583	16,622
208	2	1,2D+1L+0,3Ex+1Ey	Combination	-636,958	5,8668	0,9	0,227	4,744	16,163
215	0	1,2D+1L+1Ex+0,3Ey	Combination	-641,291	8,0136	-16,8345	0,9874	-11,268	4,894
219	0	1,4D	Combination	-643,169	1,516	-0,0947	0,0169	-0,041	0,889
217	0	1,4D	Combination	-643,174	1,5159	0,0968	-0,017	0,042	0,889
218	0	1,4D	Combination	-643,326	1,5185	0,0014	0,00004441	0,000809	0,889
209	4	1,2D+1L+0,3Ex+1Ey	Combination	-643,954	-38,5299	10,2459	-0,1536	-4,631	16,316
210	4	1,2D+1L+0,3Ex+1Ey	Combination	-644,038	-38,796	10,2735	0,2319	-4,651	16,436
211	4	1,2D+1L+0,3Ex+1Ey	Combination	-644,112	-38,9935	10,2972	-0,2112	-4,667	16,526
212	4	1,2D+1L+0,3Ex+1Ey	Combination	-645,658	-39,1851	10,1876	0,286	-4,583	16,622
208	0	1,2D+1L+0,3Ex+1Ey	Combination	-645,996	38,1929	10,3875	0,227	4,744	16,163
220	0	1,4D	Combination	-646,409	1,4763	0,3707	-0,0374	0,124	0,87
216	0	1,4D	Combination	-646,441	1,4998	-0,3669	0,0375	-0,122	0,879
215	2	1,2D+1L+1Ex+0,3Ey	Combination	-650,329	-1,7754	5,7024	0,9874	-11,268	4,894
219	2	1,4D	Combination	-653,713	-0,2618	-0,0134	0,0169	-0,041	0,889
217	2	1,4D	Combination	-653,718	-0,2619	0,0128	-0,017	0,042	0,889
218	2	1,4D	Combination	-653,87	-0,2602	-0,0002091	0,00004441	0,000809	0,889
220	0	1,2D+1L+1Ex+0,3Ey	Combination	-654,752	12,0992	-27,9592	-0,7367	-15,472	7,025
217	0	1,2D+1L+0,3Ex+1Ey	Combination	-654,855	29,9708	-8,0837	0,2241	-4,517	17,521
218	0	1,2D+1L+0,3Ex+1Ey	Combination	-655,019	30,1809	-8,2139	-0,1802	-4,574	17,639
219	0	1,2D+1L+0,3Ex+1Ey	Combination	-655,157	30,3526	-8,2597	0,2612	-4,597	17,735
220	0	1,2D+1L+0,3Ex+1Ey	Combination	-655,312	30,475	-8,2587	-0,2687	-4,606	17,801
217	0	1,2D+1L+1Ex+0,3Ey	Combination	-656,872	10,2525	-27,1537	0,7924	-15,153	5,989
220	2	1,4D	Combination	-656,953	-0,2647	0,122	-0,0374	0,124	0,87
216	2	1,4D	Combination	-656,985	-0,2588	-0,1221	0,0375	-0,122	0,879
218	0	1,2D+1L+1Ex+0,3Ey	Combination	-657,477	10,8985	-27,3824	-0,6009	-15,247	6,35
219	0	1,2D+1L+1Ex+0,3Ey	Combination	-657,89	11,5251	-27,3285	0,8257	-15,231	6,702
216	0	1,2D+1L+0,3Ex+1Ey	Combination	-658,343	29,7396	-8,6605	-0,1471	-4,721	17,385
219	0	Untuk Vg	Combination	-658,396	2,629	-0,0862	0,0158	-0,038	1,51
217	0	Untuk Vg	Combination	-658,401	2,629	0,088	-0,0159	0,039	1,51
218	0	Untuk Vg	Combination	-658,531	2,6346	0,0012	0,00003806	0,0006935	1,512
215	4	1,2D+1L+1Ex+0,3Ey	Combination	-659,366	-11,5644	28,2392	0,9874	-11,268	4,894
220	0	Untuk Vg	Combination	-661,018	2,5869	0,2632	-0,0361	0,083	1,49
216	0	Untuk Vg	Combination	-661,046	2,607	-0,2599	0,0362	-0,081	1,497
220	2	1,2D+1L+1Ex+0,3Ey	Combination	-663,79	-1,9518	2,9848	-0,7367	-15,472	7,025
217	2	1,2D+1L+0,3Ex+1Ey	Combination	-663,893	-5,0705	0,9512	0,2241	-4,517	17,521
218	2	1,2D+1L+0,3Ex+1Ey	Combination	-664,057	-5,0966	0,9334	-0,1802	-4,574	17,639
219	2	1,2D+1L+0,3Ex+1Ey	Combination	-664,195	-5,1165	0,9344	0,2612	-4,597	17,735
219	4	1,4D	Combination	-664,257	-2,0396	0,068	0,0169	-0,041	0,889
217	4	1,4D	Combination	-664,262	-2,0398	-0,0713	-0,017	0,042	0,889
220	2	1,2D+1L+0,3Ex+1Ey	Combination	-664,35	-5,1261	0,9536	-0,2687	-4,606	17,801
218	4	1,4D	Combination	-664,414	-2,0388	-0,0018	0,00004441	0,000809	0,889
216	0	1,2D+1L+1Ex+0,3Ey	Combination	-664,79	9,601	-28,4458	-0,6496	-15,621	5,621
217	2	1,2D+1L+1Ex+0,3Ey	Combination	-665,91	-1,7255	3,1531	0,7924	-15,153	5,989
218	2	1,2D+1L+1Ex+0,3Ey	Combination	-666,515	-1,802	3,1118	-0,6009	-15,247	6,35
219	2	1,2D+1L+1Ex+0,3Ey	Combination	-666,928	-1,8791	3,1335	0,8257	-15,231	6,702
216	2	1,2D+1L+0,3Ex+1Ey	Combination	-667,381	-5,0295	0,7807	-0,1471	-4,721	17,385
219	2	Untuk Vg	Combination	-667,434	-0,3918	-0,0106	0,0158	-0,038	1,51
217	2	Untuk Vg	Combination	-667,439	-0,3919	0,0101	-0,0159	0,039	1,51
220	4	1,4D	Combination	-667,497	-2,0056	-0,1267	-0,0374	0,124	0,87
216	4	1,4D	Combination	-667,529	-2,0174	0,1226	0,0375	-0,122	0,879
218	2	Untuk Vg	Combination	-667,569	-0,3901	-0,0001792	0,00003806	0,0006935	1,512
220	2	Untuk Vg	Combination	-670,056	-0,3929	0,0973	-0,0361	0,083	1,49

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	M2	M3	T	V2	V3
Text	m	Text	Text	KN	KN-m	KN-m	KN-m	KN	KN
216	2	Untuk Vg	Combination	-670,084	-0,3879	-0,0974	0,0362	-0,081	1,497
220	4	1,2D+1L+1Ex+0,3Ey	Combination	-672,827	-16,0028	33,9287	-0,7367	-15,472	7,025
217	4	1,2D+1L+0,3Ex+1Ey	Combination	-672,931	-40,1117	9,9861	0,2241	-4,517	17,521
218	4	1,2D+1L+0,3Ex+1Ey	Combination	-673,094	-40,3741	10,0807	-0,1802	-4,574	17,639
219	4	1,2D+1L+0,3Ex+1Ey	Combination	-673,233	-40,5856	10,1285	0,2612	-4,597	17,735
220	4	1,2D+1L+0,3Ex+1Ey	Combination	-673,388	-40,7273	10,166	-0,2687	-4,606	17,801
216	2	1,2D+1L+1Ex+0,3Ey	Combination	-673,828	-1,6414	2,7966	-0,6496	-15,621	5,621
217	4	1,2D+1L+1Ex+0,3Ey	Combination	-674,948	-13,7036	33,4599	0,7924	-15,153	5,989
218	4	1,2D+1L+1Ex+0,3Ey	Combination	-675,553	-14,5026	33,6059	-0,6009	-15,247	6,35
219	4	1,2D+1L+1Ex+0,3Ey	Combination	-675,966	-15,2833	33,5955	0,8257	-15,231	6,702
216	4	1,2D+1L+0,3Ex+1Ey	Combination	-676,418	-39,7987	10,2219	-0,1471	-4,721	17,385
219	4	Untuk Vg	Combination	-676,472	-3,4126	0,0649	0,0158	-0,038	1,51
217	4	Untuk Vg	Combination	-676,477	-3,4127	-0,0678	-0,0159	0,039	1,51
218	4	Untuk Vg	Combination	-676,606	-3,4148	-0,0016	0,00003806	0,0006935	1,512
221	0	1,2D+1,6L+1LR	Combination	-678,758	2,9758	-5,162	0,0745	-1,963	1,797
215	0	1,2D+1,6L+1LR	Combination	-679,032	3,1774	5,1614	-0,0746	1,964	1,872
220	4	Untuk Vg	Combination	-679,094	-3,3727	-0,0686	-0,0361	0,083	1,49
216	4	Untuk Vg	Combination	-679,121	-3,3828	0,0651	0,0362	-0,081	1,497
216	4	1,2D+1L+1Ex+0,3Ey	Combination	-682,865	-12,8839	34,0391	-0,6496	-15,621	5,621
221	2	1,2D+1,6L+1LR	Combination	-687,796	-0,618	-1,2354	0,0745	-1,963	1,797
215	2	1,2D+1,6L+1LR	Combination	-688,069	-0,5667	1,2343	-0,0746	1,964	1,872
221	4	1,2D+1,6L+1LR	Combination	-696,834	-4,2118	2,6911	0,0745	-1,963	1,797
215	4	1,2D+1,6L+1LR	Combination	-697,107	-4,3107	-2,6927	-0,0746	1,964	1,872
210	0	1,2D+1,6L+1LR	Combination	-699,654	-0,0703	0,0016	-0,00006212	0,0008399	0,657
211	0	1,2D+1,6L+1LR	Combination	-699,661	-0,0789	-0,0633	-0,0207	-0,028	0,653
209	0	1,2D+1,6L+1LR	Combination	-699,708	-0,0812	0,0584	0,0207	0,026	0,652
208	4	1,2D+1,6L+1LR	Combination	-701,295	0,1381	-0,135	-0,0372	0,039	0,632
212	0	1,2D+1,6L+1LR	Combination	-701,705	-0,0829	0,199	0,037	0,064	0,652
210	2	1,2D+1,6L+1LR	Combination	-708,692	-1,384	-0,0001207	-0,00006212	0,0008399	0,657
211	2	1,2D+1,6L+1LR	Combination	-708,699	-1,3842	-0,0082	-0,0207	-0,028	0,653
209	2	1,2D+1,6L+1LR	Combination	-708,746	-1,3848	0,0059	0,0207	0,026	0,652
208	2	1,2D+1,6L+1LR	Combination	-710,332	1,4011	-0,0564	-0,0372	0,039	0,632
212	2	1,2D+1,6L+1LR	Combination	-710,743	-1,3869	0,0717	0,037	0,064	0,652
210	4	1,2D+1,6L+1LR	Combination	-717,73	-2,6978	-0,0018	-0,00006212	0,0008399	0,657
211	4	1,2D+1,6L+1LR	Combination	-717,737	-2,6894	0,0469	-0,0207	-0,028	0,653
209	4	1,2D+1,6L+1LR	Combination	-717,784	-2,6884	-0,0466	0,0207	0,026	0,652
208	0	1,2D+1,6L+1LR	Combination	-719,37	2,6641	0,0223	-0,0372	0,039	0,632
212	4	1,2D+1,6L+1LR	Combination	-719,781	-2,6909	-0,0557	0,037	0,064	0,652
219	0	1,2D+1,6L+1LR	Combination	-743,953	3,4459	-0,0884	0,0174	-0,039	1,966
217	0	1,2D+1,6L+1LR	Combination	-743,957	3,4459	0,0902	-0,0175	0,04	1,966
218	0	1,2D+1,6L+1LR	Combination	-744,061	3,4533	0,0012	0,00003806	0,0006935	1,969
220	0	1,2D+1,6L+1LR	Combination	-746,346	3,3984	0,2141	-0,0403	0,062	1,943
216	0	1,2D+1,6L+1LR	Combination	-746,373	3,4185	-0,2109	0,0404	-0,061	1,95
219	2	1,2D+1,6L+1LR	Combination	-752,991	-0,4864	-0,0098	0,0174	-0,039	1,966
217	2	1,2D+1,6L+1LR	Combination	-752,995	-0,4864	0,0092	-0,0175	0,04	1,966
218	2	1,2D+1,6L+1LR	Combination	-753,098	-0,4844	-0,0001792	0,00003806	0,0006935	1,969
220	2	1,2D+1,6L+1LR	Combination	-755,384	-0,4868	0,0891	-0,0403	0,062	1,943
216	2	1,2D+1,6L+1LR	Combination	-755,411	-0,4817	-0,0893	0,0404	-0,061	1,95
219	4	1,2D+1,6L+1LR	Combination	-762,028	-4,4186	0,0689	0,0174	-0,039	1,966
217	4	1,2D+1,6L+1LR	Combination	-762,033	-4,4187	-0,0717	-0,0175	0,04	1,966
218	4	1,2D+1,6L+1LR	Combination	-762,136	-4,4221	-0,0016	0,00003806	0,0006935	1,969
220	4	1,2D+1,6L+1LR	Combination	-764,422	-4,3719	-0,0358	-0,0403	0,062	1,943
216	4	1,2D+1,6L+1LR	Combination	-764,449	-4,382	0,0323	0,0404	-0,061	1,95

LAMPIRAN III

Output SAP 2000 Gaya-gaya Dalam Struktur Balok

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2	M3
37	4	1,4D	Combination	-0,152	27,121	-0,014	-0,4781	-0,0325	-1,3609
37	3,5	1,4D	Combination	-0,152	18,643	-0,014	-0,4781	-0,0397	10,08
37	3	1,4D	Combination	-0,152	10,165	-0,014	-0,4781	-0,0469	17,2821
37	2,5	1,4D	Combination	-0,152	1,687	-0,014	-0,4781	-0,0541	20,2452
37	5	1,4D	Combination	-0,152	44,077	-0,014	-0,4781	-0,0181	-36,9596
37	4,5	1,4D	Combination	-0,152	35,599	-0,014	-0,4781	-0,0253	-17,0408
37	0,5	1,4D	Combination	-0,152	-32,224	-0,014	-0,4781	-0,083	-10,2916
37	0	1,4D	Combination	-0,152	-40,702	-0,014	-0,4781	-0,0902	-28,5232
37	2	1,4D	Combination	-0,152	-6,791	-0,014	-0,4781	-0,0614	18,9694
37	1,5	1,4D	Combination	-0,152	-15,268	-0,014	-0,4781	-0,0686	13,4546
37	1	1,4D	Combination	-0,152	-23,746	-0,014	-0,4781	-0,0758	3,701
37	4	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	30,37	0,02	-0,4187	0,8175	-11,3188
37	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	23,103	0,02	-0,4187	0,8274	2,0494
37	3	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	15,836	0,02	-0,4187	0,8374	11,7843
37	2,5	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	8,57	0,02	-0,4187	0,8473	17,8858
37	2	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	1,303	0,02	-0,4187	0,8573	20,354
37	5	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	44,903	0,02	-0,4187	0,7975	-48,9554
37	4,5	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	37,637	0,02	-0,4187	0,8075	-28,3204
37	0,5	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	-20,497	0,02	-0,4187	0,8872	5,9583
37	0	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	-27,764	0,02	-0,4187	0,8971	-6,107
37	1,5	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	-5,964	0,02	-0,4187	0,8673	19,1888
37	1	1,2D+1L+1Ex+0,3Ey	Combination	-0,21	-13,23	0,02	-0,4187	0,8772	14,3902
37	4	1,2D+1,6L+1LR	Combination	-1,333	23,208	-0,02	-0,4013	-0,0368	-0,9979
37	3,5	1,2D+1,6L+1LR	Combination	-1,333	15,941	-0,02	-0,4013	-0,0465	8,7892
37	3	1,2D+1,6L+1LR	Combination	-1,333	8,674	-0,02	-0,4013	-0,0563	14,943
37	2,5	1,2D+1,6L+1LR	Combination	-1,333	1,407	-0,02	-0,4013	-0,066	17,4634
37	2	1,2D+1,6L+1LR	Combination	-1,333	-5,859	-0,02	-0,4013	-0,0758	16,3504
37	5	1,2D+1,6L+1LR	Combination	-1,333	37,741	-0,02	-0,4013	-0,0173	-31,4722
37	4,5	1,2D+1,6L+1LR	Combination	-1,333	30,474	-0,02	-0,4013	-0,027	-14,4183
37	0,5	1,2D+1,6L+1LR	Combination	-1,333	-27,66	-0,02	-0,4013	-0,1051	-8,7888
37	0	1,2D+1,6L+1LR	Combination	-1,333	-34,926	-0,02	-0,4013	-0,1148	-24,4352
37	1,5	1,2D+1,6L+1LR	Combination	-1,333	-13,126	-0,02	-0,4013	-0,0855	11,604
37	1	1,2D+1,6L+1LR	Combination	-1,333	-20,393	-0,02	-0,4013	-0,0953	3,2243
91	4	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	22,744	-0,027	-0,3999	0,321	-1,0746
91	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	15,478	-0,027	-0,3999	0,3076	8,4808
91	3	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	8,211	-0,027	-0,3999	0,2942	14,4029
91	2,5	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	0,944	-0,027	-0,3999	0,2809	16,6917
91	2	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	-6,323	-0,027	-0,3999	0,2675	15,347
91	1,5	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	-13,589	-0,027	-0,3999	0,2541	10,369
91	5	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	37,278	-0,027	-0,3999	0,3477	-31,0856
91	4,5	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	30,011	-0,027	-0,3999	0,3344	-14,2634
91	0,5	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	-28,123	-0,027	-0,3999	0,2274	-10,4871
91	0	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	-35,39	-0,027	-0,3999	0,214	-26,3652
91	1	1,2D+1L+0,3Ex+1Ey	Combination	-4,037	-20,856	-0,027	-0,3999	0,2408	1,7576
12	4	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	23,558	-0,051	-0,35	0,4522	-2,5916
12	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	16,291	-0,051	-0,35	0,4265	7,3705
12	3	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	9,024	-0,051	-0,35	0,4008	13,6993
12	2,5	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	1,757	-0,051	-0,35	0,3751	16,3947
12	2	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	-5,509	-0,051	-0,35	0,3494	15,4567
12	1,5	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	-12,776	-0,051	-0,35	0,3237	10,8853
12	5	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	38,091	-0,051	-0,35	0,5036	-33,4159
12	4,5	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	30,824	-0,051	-0,35	0,4779	-16,1871
12	0,5	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	-27,309	-0,051	-0,35	0,2723	-9,1574
12	0	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	-34,576	-0,051	-0,35	0,2467	-24,6289
12	1	1,2D+1L+0,3Ex+1Ey	Combination	-2,108	-20,043	-0,051	-0,35	0,298	2,6806
91	4	0,9D+0,3Ex+1Ey	Combination	-0,782	17,555	-0,026	-0,33	0,3004	-1,6414
91	3,5	0,9D+0,3Ex+1Ey	Combination	-0,782	12,105	-0,026	-0,33	0,2873	5,7736
91	3	0,9D+0,3Ex+1Ey	Combination	-0,782	6,655	-0,026	-0,33	0,2742	10,4636
91	2,5	0,9D+0,3Ex+1Ey	Combination	-0,782	1,205	-0,026	-0,33	0,2611	12,4285
91	5	0,9D+0,3Ex+1Ey	Combination	-0,782	28,455	-0,026	-0,33	0,3267	-24,6465
91	4,5	0,9D+0,3Ex+1Ey	Combination	-0,782	23,005	-0,026	-0,33	0,3136	-11,7814
91	0,5	0,9D+0,3Ex+1Ey	Combination	-0,782	-20,595	-0,026	-0,33	0,2086	-6,9619
91	0	0,9D+0,3Ex+1Ey	Combination	-0,782	-26,045	-0,026	-0,33	0,1955	-18,622
91	2	0,9D+0,3Ex+1Ey	Combination	-0,782	-4,245	-0,026	-0,33	0,248	11,6685
91	1,5	0,9D+0,3Ex+1Ey	Combination	-0,782	-9,695	-0,026	-0,33	0,2349	8,1834
91	1	0,9D+0,3Ex+1Ey	Combination	-0,782	-15,145	-0,026	-0,33	0,2217	1,9733
37	4	0,9D+1Ex+0,3Ey	Combination	0,578	24,58	0,027	-0,3226	0,8291	-11,1248

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2	M3
37	3,5	0,9D+1Ex+0,3Ey	Combination	0,578	19,13	0,027	-0,3226	0,8427	-0,1972
37	3	0,9D+1Ex+0,3Ey	Combination	0,578	13,68	0,027	-0,3226	0,8564	8,0055
37	2,5	0,9D+1Ex+0,3Ey	Combination	0,578	8,23	0,027	-0,3226	0,87	13,4831
37	5	0,9D+1Ex+0,3Ey	Combination	0,578	35,48	0,027	-0,3226	0,8019	-41,1552
37	4,5	0,9D+1Ex+0,3Ey	Combination	0,578	30,03	0,027	-0,3226	0,8155	-24,7775
37	0,5	0,9D+1Ex+0,3Ey	Combination	0,578	-13,57	0,027	-0,3226	0,9245	8,1432
37	0	0,9D+1Ex+0,3Ey	Combination	0,578	-19,02	0,027	-0,3226	0,9381	-0,0043
37	2	0,9D+1Ex+0,3Ey	Combination	0,578	2,78	0,027	-0,3226	0,8836	16,2356
37	1,5	0,9D+1Ex+0,3Ey	Combination	0,578	-2,67	0,027	-0,3226	0,8972	16,2632
37	1	0,9D+1Ex+0,3Ey	Combination	0,578	-8,12	0,027	-0,3226	0,9109	13,5657
37	4	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	25,399	-0,00596	-0,3133	0,2214	-4,1971
37	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	18,133	-0,00596	-0,3133	0,2185	6,6859
37	3	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	10,866	-0,00596	-0,3133	0,2155	13,9356
37	2,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	3,599	-0,00596	-0,3133	0,2125	17,5519
37	2	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	-3,668	-0,00596	-0,3133	0,2095	17,5348
37	5	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	39,933	-0,00596	-0,3133	0,2274	-36,8632
37	4,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	32,666	-0,00596	-0,3133	0,2244	-18,7135
37	0,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	-25,468	-0,00596	-0,3133	0,2006	-4,3166
37	0	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	-32,734	-0,00596	-0,3133	0,1976	-18,8672
37	1,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	-10,934	-0,00596	-0,3133	0,2065	13,8844
37	1	1,2D+1L+0,3Ex+1Ey	Combination	-1,002	-18,201	-0,00596	-0,3133	0,2036	6,6005
12	4	0,9D+0,3Ex+1Ey	Combination	-0,426	18,399	-0,052	-0,3032	0,4434	-3,1938
12	3,5	0,9D+0,3Ex+1Ey	Combination	-0,426	12,949	-0,052	-0,3032	0,4172	4,6431
12	3	0,9D+0,3Ex+1Ey	Combination	-0,426	7,499	-0,052	-0,3032	0,3911	9,755
12	2,5	0,9D+0,3Ex+1Ey	Combination	-0,426	2,049	-0,052	-0,3032	0,3649	12,1419
12	5	0,9D+0,3Ex+1Ey	Combination	-0,426	29,299	-0,052	-0,3032	0,4957	-27,0428
12	4,5	0,9D+0,3Ex+1Ey	Combination	-0,426	23,849	-0,052	-0,3032	0,4696	-13,7558
12	0,5	0,9D+0,3Ex+1Ey	Combination	-0,426	-19,751	-0,052	-0,3032	0,2602	-5,5608
12	0	0,9D+0,3Ex+1Ey	Combination	-0,426	-25,201	-0,052	-0,3032	0,234	-16,7991
12	2	0,9D+0,3Ex+1Ey	Combination	-0,426	-3,401	-0,052	-0,3032	0,3387	11,8037
12	1,5	0,9D+0,3Ex+1Ey	Combination	-0,426	-8,851	-0,052	-0,3032	0,3125	8,7406
12	1	0,9D+0,3Ex+1Ey	Combination	-0,426	-14,301	-0,052	-0,3032	0,2864	2,9524
18	4	1,2D+1L+0,3Ex+1Ey	Combination	2,953	23,79	0,057	-0,293	-0,472	-2,9219
18	5	1,2D+1L+0,3Ex+1Ey	Combination	2,953	38,324	0,057	-0,293	-0,5287	-33,9787
18	4,5	1,2D+1L+0,3Ex+1Ey	Combination	2,953	31,057	0,057	-0,293	-0,5003	-16,6336
18	0,5	1,2D+1L+0,3Ex+1Ey	Combination	2,953	-27,077	0,057	-0,293	-0,2736	-8,6738
18	0	1,2D+1L+0,3Ex+1Ey	Combination	2,953	-34,344	0,057	-0,293	-0,2453	-24,029
18	3,5	1,2D+1L+0,3Ex+1Ey	Combination	2,953	16,523	0,057	-0,293	-0,4437	7,1565
18	3	1,2D+1L+0,3Ex+1Ey	Combination	2,953	9,257	0,057	-0,293	-0,4153	13,6015
18	2,5	1,2D+1L+0,3Ex+1Ey	Combination	2,953	1,99	0,057	-0,293	-0,387	16,4132
18	2	1,2D+1L+0,3Ex+1Ey	Combination	2,953	-5,277	0,057	-0,293	-0,3586	15,5915
18	1,5	1,2D+1L+0,3Ex+1Ey	Combination	2,953	-12,544	0,057	-0,293	-0,3303	11,1364
18	1	1,2D+1L+0,3Ex+1Ey	Combination	2,953	-19,81	0,057	-0,293	-0,302	3,048
18	4	0,9D+0,3Ex+1Ey	Combination	-0,126	18,559	0,054	-0,2678	-0,4467	-3,2484
18	3,5	0,9D+0,3Ex+1Ey	Combination	-0,126	13,109	0,054	-0,2678	-0,4197	4,6686
18	3	0,9D+0,3Ex+1Ey	Combination	-0,126	7,659	0,054	-0,2678	-0,3927	9,8605
18	2,5	0,9D+0,3Ex+1Ey	Combination	-0,126	2,209	0,054	-0,2678	-0,3657	12,3274
18	5	0,9D+0,3Ex+1Ey	Combination	-0,126	29,459	0,054	-0,2678	-0,5007	-27,2574
18	4,5	0,9D+0,3Ex+1Ey	Combination	-0,126	24,009	0,054	-0,2678	-0,4737	-13,8904
18	0,5	0,9D+0,3Ex+1Ey	Combination	-0,126	-19,591	0,054	-0,2678	-0,2576	-5,0551
18	0	0,9D+0,3Ex+1Ey	Combination	-0,126	-25,041	0,054	-0,2678	-0,2306	-16,2133
18	2	0,9D+0,3Ex+1Ey	Combination	-0,126	-3,241	0,054	-0,2678	-0,3386	12,0693
18	1,5	0,9D+0,3Ex+1Ey	Combination	-0,126	-8,691	0,054	-0,2678	-0,3116	9,0862
18	1	0,9D+0,3Ex+1Ey	Combination	-0,126	-14,141	0,054	-0,2678	-0,2846	3,378
91	4	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	28,132	-0,056	-0,2578	0,8605	-9,5304
91	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	20,865	-0,056	-0,2578	0,8324	2,7188
91	3	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	13,598	-0,056	-0,2578	0,8044	11,3348
91	2,5	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	6,332	-0,056	-0,2578	0,7763	16,3173
91	2	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	-0,935	-0,056	-0,2578	0,7482	17,6665
91	1,5	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	-8,202	-0,056	-0,2578	0,7202	15,3824
91	1	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	-15,468	-0,056	-0,2578	0,6921	9,4649
91	5	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	42,665	-0,056	-0,2578	0,9166	-44,9291
91	4,5	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	35,399	-0,056	-0,2578	0,8885	-25,4131
91	0,5	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	-22,735	-0,056	-0,2578	0,6641	-0,086
91	0	1,2D+1L+1Ex+0,3Ey	Combination	-6,428	-30,002	-0,056	-0,2578	0,636	-13,2703
91	4	1,2D+1,6L+1LR	Combination	-7,533	20,705	-0,008793	-0,2192	0,083	2,1784
91	3,5	1,2D+1,6L+1LR	Combination	-7,533	13,439	-0,008793	-0,2192	0,0786	10,7144

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2	M3
91	3	1,2D+1,6L+1LR	Combination	-7,533	6,172	-0,008793	-0,2192	0,0742	15,6169
91	2,5	1,2D+1,6L+1LR	Combination	-7,533	-1,095	-0,008793	-0,2192	0,0698	16,8862
91	2	1,2D+1,6L+1LR	Combination	-7,533	-8,362	-0,008793	-0,2192	0,0654	14,522
91	1,5	1,2D+1,6L+1LR	Combination	-7,533	-15,628	-0,008793	-0,2192	0,061	8,5245
91	1	1,2D+1,6L+1LR	Combination	-7,533	-22,895	-0,008793	-0,2192	0,0566	-1,1064
91	5	1,2D+1,6L+1LR	Combination	-7,533	35,239	-0,008793	-0,2192	0,0918	-25,7936
91	4,5	1,2D+1,6L+1LR	Combination	-7,533	27,972	-0,008793	-0,2192	0,0874	-9,9909
91	0,5	1,2D+1,6L+1LR	Combination	-7,533	-30,162	-0,008793	-0,2192	0,0522	-14,3706
91	0	1,2D+1,6L+1LR	Combination	-7,533	-37,429	-0,008793	-0,2192	0,0478	-31,2682
37	4	0,9D+0,3Ex+1Ey	Combination	-0,213	19,61	0,001365	-0,2172	0,2331	-4,0031
37	3,5	0,9D+0,3Ex+1Ey	Combination	-0,213	14,16	0,001365	-0,2172	0,2338	4,4393
37	3	0,9D+0,3Ex+1Ey	Combination	-0,213	8,71	0,001365	-0,2172	0,2345	10,1567
37	2,5	0,9D+0,3Ex+1Ey	Combination	-0,213	3,26	0,001365	-0,2172	0,2351	13,1491
37	5	0,9D+0,3Ex+1Ey	Combination	-0,213	30,51	0,001365	-0,2172	0,2317	-29,0629
37	4,5	0,9D+0,3Ex+1Ey	Combination	-0,213	25,06	0,001365	-0,2172	0,2324	-15,1705
37	0,5	0,9D+0,3Ex+1Ey	Combination	-0,213	-18,54	0,001365	-0,2172	0,2379	-2,1317
37	0	0,9D+0,3Ex+1Ey	Combination	-0,213	-23,991	0,001365	-0,2172	0,2385	-12,7645
37	2	0,9D+0,3Ex+1Ey	Combination	-0,213	-2,19	0,001365	-0,2172	0,2358	13,4164
37	1,5	0,9D+0,3Ex+1Ey	Combination	-0,213	-7,64	0,001365	-0,2172	0,2365	10,9587
37	1	0,9D+0,3Ex+1Ey	Combination	-0,213	-13,09	0,001365	-0,2172	0,2372	5,776
91	4	1,4D	Combination	-4,548	24,094	-0,013	-0,1973	0,0854	2,4862
91	3,5	1,4D	Combination	-4,548	15,616	-0,013	-0,1973	0,0789	12,4138
91	3	1,4D	Combination	-4,548	7,139	-0,013	-0,1973	0,0724	18,1025
91	2,5	1,4D	Combination	-4,548	-1,339	-0,013	-0,1973	0,0658	19,5523
91	2	1,4D	Combination	-4,548	-9,817	-0,013	-0,1973	0,0593	16,7632
91	1,5	1,4D	Combination	-4,548	-18,295	-0,013	-0,1973	0,0528	9,7352
91	5	1,4D	Combination	-4,548	41,05	-0,013	-0,1973	0,0985	-30,0859
91	4,5	1,4D	Combination	-4,548	32,572	-0,013	-0,1973	0,0919	-11,6804
91	0,5	1,4D	Combination	-4,548	-35,251	-0,013	-0,1973	0,0397	-17,0377
91	0	1,4D	Combination	-4,548	-43,729	-0,013	-0,1973	0,0332	-36,7826
91	1	1,4D	Combination	-4,548	-26,773	-0,013	-0,1973	0,0462	-1,5318
91	4	0,9D+1Ex+0,3Ey	Combination	-3,173	22,943	-0,056	-0,1878	0,8399	-10,0972
91	3,5	0,9D+1Ex+0,3Ey	Combination	-3,173	17,493	-0,056	-0,1878	0,8121	0,0116
91	3	0,9D+1Ex+0,3Ey	Combination	-3,173	12,043	-0,056	-0,1878	0,7843	7,3954
91	2,5	0,9D+1Ex+0,3Ey	Combination	-3,173	6,593	-0,056	-0,1878	0,7565	12,0542
91	2	0,9D+1Ex+0,3Ey	Combination	-3,173	1,143	-0,056	-0,1878	0,7287	13,988
91	1,5	0,9D+1Ex+0,3Ey	Combination	-3,173	-4,308	-0,056	-0,1878	0,7009	13,1968
91	1	0,9D+1Ex+0,3Ey	Combination	-3,173	-9,758	-0,056	-0,1878	0,6731	9,6805
91	5	0,9D+1Ex+0,3Ey	Combination	-3,173	33,843	-0,056	-0,1878	0,8955	-38,49
91	4,5	0,9D+1Ex+0,3Ey	Combination	-3,173	28,393	-0,056	-0,1878	0,8677	-22,9311
91	0,5	0,9D+1Ex+0,3Ey	Combination	-3,173	-15,208	-0,056	-0,1878	0,6453	3,4392
91	0	0,9D+1Ex+0,3Ey	Combination	-3,173	-20,658	-0,056	-0,1878	0,6175	-5,5271
18	4	1,2D+1L+1Ex+0,3Ey	Combination	1,866	30,979	0,124	-0,1542	-1,297	-15,0306
18	3,5	1,2D+1L+1Ex+0,3Ey	Combination	1,866	23,712	0,124	-0,1542	-1,2349	-1,358
18	5	1,2D+1L+1Ex+0,3Ey	Combination	1,866	45,512	0,124	-0,1542	-1,4213	-53,2759
18	4,5	1,2D+1L+1Ex+0,3Ey	Combination	1,866	38,245	0,124	-0,1542	-1,3591	-32,3365
18	0,5	1,2D+1L+1Ex+0,3Ey	Combination	1,866	-19,889	0,124	-0,1542	-0,8621	4,377
18	0	1,2D+1L+1Ex+0,3Ey	Combination	1,866	-27,155	0,124	-0,1542	-0,7999	-7,3839
18	3	1,2D+1L+1Ex+0,3Ey	Combination	1,866	16,445	0,124	-0,1542	-1,1727	8,6813
18	2,5	1,2D+1L+1Ex+0,3Ey	Combination	1,866	9,178	0,124	-0,1542	-1,1106	15,0872
18	2	1,2D+1L+1Ex+0,3Ey	Combination	1,866	1,912	0,124	-0,1542	-1,0485	17,8597
18	1,5	1,2D+1L+1Ex+0,3Ey	Combination	1,866	-5,355	0,124	-0,1542	-0,9863	16,9988
18	1	1,2D+1L+1Ex+0,3Ey	Combination	1,866	-12,622	0,124	-0,1542	-0,9242	12,5046
42	4	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	22,383	0,028	-0,145	-0,3725	0,0705
42	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	15,116	0,028	-0,145	-0,3585	9,4451
42	3	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	7,849	0,028	-0,145	-0,3446	15,1863
42	2,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	0,582	0,028	-0,145	-0,3306	17,2942
42	2	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	-6,684	0,028	-0,145	-0,3166	15,7687
42	5	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	36,916	0,028	-0,145	-0,4005	-29,5788
42	4,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	29,649	0,028	-0,145	-0,3865	-12,9375
42	0,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	-28,485	0,028	-0,145	-0,2746	-10,6079
42	0	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	-35,751	0,028	-0,145	-0,2607	-26,6668
42	1,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	-13,951	0,028	-0,145	-0,3026	10,6099
42	1	1,2D+1L+0,3Ex+1Ey	Combination	-1,458	-21,218	0,028	-0,145	-0,2886	1,8177
12	4	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	30,879	-0,084	-0,1359	1,1749	-14,7218
12	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	23,612	-0,084	-0,1359	1,133	-1,0991
12	3	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	16,345	-0,084	-0,1359	1,0911	8,8903

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2	M3
12	2,5	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	9,079	-0,084	-0,1359	1,0493	15,2463
12	2	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	1,812	-0,084	-0,1359	1,0074	17,969
12	1,5	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	-5,455	-0,084	-0,1359	0,9656	17,0583
12	1	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	-12,721	-0,084	-0,1359	0,9237	12,5142
12	5	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	45,412	-0,084	-0,1359	1,2586	-52,8674
12	4,5	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	38,146	-0,084	-0,1359	1,2167	-31,978
12	0,5	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	-19,988	-0,084	-0,1359	0,8819	4,3368
12	0	1,2D+1L+1Ex+0,3Ey	Combination	-6,739	-27,255	-0,084	-0,1359	0,84	-7,474
42	4	0,9D+0,3Ex+1Ey	Combination	-0,673	17,297	0,021	-0,1336	-0,3389	-0,7975
42	3,5	0,9D+0,3Ex+1Ey	Combination	-0,673	11,847	0,021	-0,1336	-0,3286	6,4885
42	3	0,9D+0,3Ex+1Ey	Combination	-0,673	6,397	0,021	-0,1336	-0,3183	11,0494
42	2,5	0,9D+0,3Ex+1Ey	Combination	-0,673	0,947	0,021	-0,1336	-0,308	12,8853
42	5	0,9D+0,3Ex+1Ey	Combination	-0,673	28,197	0,021	-0,1336	-0,3595	-23,5444
42	4,5	0,9D+0,3Ex+1Ey	Combination	-0,673	22,747	0,021	-0,1336	-0,3492	-10,8084
42	0,5	0,9D+0,3Ex+1Ey	Combination	-0,673	-20,853	0,021	-0,1336	-0,2667	-7,0213
42	0	0,9D+0,3Ex+1Ey	Combination	-0,673	-26,303	0,021	-0,1336	-0,2564	-18,8105
42	2	0,9D+0,3Ex+1Ey	Combination	-0,673	-4,503	0,021	-0,1336	-0,2976	11,9962
42	1,5	0,9D+0,3Ex+1Ey	Combination	-0,673	-9,953	0,021	-0,1336	-0,2873	8,382
42	1	0,9D+0,3Ex+1Ey	Combination	-0,673	-15,403	0,021	-0,1336	-0,277	2,0429
18	4	0,9D+1Ex+0,3Ey	Combination	-1,213	25,747	0,122	-0,1291	-1,2717	-15,3571
18	3,5	0,9D+1Ex+0,3Ey	Combination	-1,213	20,297	0,122	-0,1291	-1,2109	-3,8459
18	3	0,9D+1Ex+0,3Ey	Combination	-1,213	14,847	0,122	-0,1291	-1,1501	4,9402
18	2,5	0,9D+1Ex+0,3Ey	Combination	-1,213	9,397	0,122	-0,1291	-1,0893	11,0014
18	2	0,9D+1Ex+0,3Ey	Combination	-1,213	3,947	0,122	-0,1291	-1,0285	14,3375
18	1,5	0,9D+1Ex+0,3Ey	Combination	-1,213	-1,503	0,122	-0,1291	-0,9677	14,9486
18	1	0,9D+1Ex+0,3Ey	Combination	-1,213	-6,953	0,122	-0,1291	-0,9069	12,8347
18	5	0,9D+1Ex+0,3Ey	Combination	-1,213	36,647	0,122	-0,1291	-1,3933	-46,5546
18	4,5	0,9D+1Ex+0,3Ey	Combination	-1,213	31,197	0,122	-0,1291	-1,3325	-29,5933
18	0,5	0,9D+1Ex+0,3Ey	Combination	-1,213	-12,403	0,122	-0,1291	-0,8461	7,9957
18	0	0,9D+1Ex+0,3Ey	Combination	-1,213	-17,853	0,122	-0,1291	-0,7853	0,4318
42	4	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	27,401	0,053	-0,1047	-1,0431	-7,7821
42	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	20,135	0,053	-0,1047	-1,0165	4,1019
42	3	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	12,868	0,053	-0,1047	-0,9898	12,3525
42	2,5	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	5,601	0,053	-0,1047	-0,9631	16,9697
42	2	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	-1,666	0,053	-0,1047	-0,9364	17,9536
42	1,5	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	-8,932	0,053	-0,1047	-0,9098	15,3041
42	5	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	41,935	0,053	-0,1047	-1,0965	-42,4501
42	4,5	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	34,668	0,053	-0,1047	-1,0698	-23,2994
42	0,5	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	-23,466	0,053	-0,1047	-0,8564	-0,8949
42	0	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	-30,733	0,053	-0,1047	-0,8297	-14,4445
42	1	1,2D+1L+1Ex+0,3Ey	Combination	-1,759	-16,199	0,053	-0,1047	-0,8831	9,0213
12	4	1,2D+1,6L+1LR	Combination	-3,189	20,606	-0,004068	-0,1029	0,0496	2,3153
12	3,5	1,2D+1,6L+1LR	Combination	-3,189	13,339	-0,004068	-0,1029	0,0476	10,8017
12	3	1,2D+1,6L+1LR	Combination	-3,189	6,073	-0,004068	-0,1029	0,0456	15,6547
12	2,5	1,2D+1,6L+1LR	Combination	-3,189	-1,194	-0,004068	-0,1029	0,0435	16,8743
12	2	1,2D+1,6L+1LR	Combination	-3,189	-8,461	-0,004068	-0,1029	0,0415	14,4606
12	1,5	1,2D+1,6L+1LR	Combination	-3,189	-15,728	-0,004068	-0,1029	0,0395	8,4135
12	5	1,2D+1,6L+1LR	Combination	-3,189	35,14	-0,004068	-0,1029	0,0537	-25,5575
12	4,5	1,2D+1,6L+1LR	Combination	-3,189	27,873	-0,004068	-0,1029	0,0517	-9,8044
12	0,5	1,2D+1,6L+1LR	Combination	-3,189	-30,261	-0,004068	-0,1029	0,0354	-14,5808
12	0	1,2D+1,6L+1LR	Combination	-3,189	-37,528	-0,004068	-0,1029	0,0333	-31,528
12	1	1,2D+1,6L+1LR	Combination	-3,189	-22,994	-0,004068	-0,1029	0,0374	-1,267
42	4	0,9D+1Ex+0,3Ey	Combination	-0,974	22,316	0,046	-0,0932	-1,0095	-8,6501
42	3,5	0,9D+1Ex+0,3Ey	Combination	-0,974	16,866	0,046	-0,0932	-0,9865	1,1452
42	3	0,9D+1Ex+0,3Ey	Combination	-0,974	11,416	0,046	-0,0932	-0,9635	8,2155
42	2,5	0,9D+1Ex+0,3Ey	Combination	-0,974	5,966	0,046	-0,0932	-0,9405	12,5608
42	2	0,9D+1Ex+0,3Ey	Combination	-0,974	0,515	0,046	-0,0932	-0,9175	14,181
42	1,5	0,9D+1Ex+0,3Ey	Combination	-0,974	-4,935	0,046	-0,0932	-0,8945	13,0763
42	5	0,9D+1Ex+0,3Ey	Combination	-0,974	33,216	0,046	-0,0932	-1,0556	-36,4158
42	4,5	0,9D+1Ex+0,3Ey	Combination	-0,974	27,766	0,046	-0,0932	-1,0326	-21,1704
42	0,5	0,9D+1Ex+0,3Ey	Combination	-0,974	-15,835	0,046	-0,0932	-0,8485	2,6916
42	0	0,9D+1Ex+0,3Ey	Combination	-0,974	-21,285	0,046	-0,0932	-0,8254	-6,5882
42	1	0,9D+1Ex+0,3Ey	Combination	-0,974	-10,385	0,046	-0,0932	-0,8715	9,2465
97	4	1,2D+1L+0,3Ex+1Ey	Combination	3,015	23,235	0,051	-0,0914	-0,381	-1,8576
97	5	1,2D+1L+0,3Ex+1Ey	Combination	3,015	37,768	0,051	-0,0914	-0,4319	-32,3594
97	4,5	1,2D+1L+0,3Ex+1Ey	Combination	3,015	30,502	0,051	-0,0914	-0,4064	-15,2918
97	0,5	1,2D+1L+0,3Ex+1Ey	Combination	3,015	-27,632	0,051	-0,0914	-0,2026	-9,5525

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2	M3
97	0	1,2D+1L+0,3Ex+1Ey	Combination	3,015	-34,899	0,051	-0,0914	-0,1771	-25,1852
97	3,5	1,2D+1L+0,3Ex+1Ey	Combination	3,015	15,968	0,051	-0,0914	-0,3555	7,9432
97	3	1,2D+1L+0,3Ex+1Ey	Combination	3,015	8,702	0,051	-0,0914	-0,33	14,1107
97	2,5	1,2D+1L+0,3Ex+1Ey	Combination	3,015	1,435	0,051	-0,0914	-0,3045	16,6448
97	2	1,2D+1L+0,3Ex+1Ey	Combination	3,015	-5,832	0,051	-0,0914	-0,279	15,5455
97	1,5	1,2D+1L+0,3Ex+1Ey	Combination	3,015	-13,099	0,051	-0,0914	-0,2536	10,8129
97	1	1,2D+1L+0,3Ex+1Ey	Combination	3,015	-20,365	0,051	-0,0914	-0,2281	2,4469
12	4	0,9D+1Ex+0,3Ey	Combination	-5,057	25,72	-0,085	-0,0891	1,1661	-15,3241
12	3,5	0,9D+1Ex+0,3Ey	Combination	-5,057	20,27	-0,085	-0,0891	1,1237	-3,8265
12	3	0,9D+1Ex+0,3Ey	Combination	-5,057	14,82	-0,085	-0,0891	1,0814	4,946
12	2,5	0,9D+1Ex+0,3Ey	Combination	-5,057	9,37	-0,085	-0,0891	1,0391	10,9935
12	2	0,9D+1Ex+0,3Ey	Combination	-5,057	3,92	-0,085	-0,0891	0,9967	14,316
12	1,5	0,9D+1Ex+0,3Ey	Combination	-5,057	-1,53	-0,085	-0,0891	0,9544	14,9135
12	1	0,9D+1Ex+0,3Ey	Combination	-5,057	-6,98	-0,085	-0,0891	0,9121	12,786
12	5	0,9D+1Ex+0,3Ey	Combination	-5,057	36,62	-0,085	-0,0891	1,2507	-46,4943
12	4,5	0,9D+1Ex+0,3Ey	Combination	-5,057	31,17	-0,085	-0,0891	1,2084	-29,5467
12	0,5	0,9D+1Ex+0,3Ey	Combination	-5,057	-12,43	-0,085	-0,0891	0,8697	7,9334
12	0	0,9D+1Ex+0,3Ey	Combination	-5,057	-17,88	-0,085	-0,0891	0,8274	0,3558
85	4	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	23,261	-0,023	-0,0885	0,3283	-1,9838
85	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	15,994	-0,023	-0,0885	0,317	7,83
85	3	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	8,727	-0,023	-0,0885	0,3057	14,0105
85	2,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	1,461	-0,023	-0,0885	0,2944	16,5575
85	2	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	-5,806	-0,023	-0,0885	0,2831	15,4712
85	5	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	37,794	-0,023	-0,0885	0,3509	-32,5114
85	4,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	30,528	-0,023	-0,0885	0,3396	-15,4309
85	0,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	-27,606	-0,023	-0,0885	0,2492	-9,5879
85	0	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	-34,873	-0,023	-0,0885	0,2379	-25,2076
85	1,5	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	-13,073	-0,023	-0,0885	0,2718	10,7515
85	1	1,2D+1L+0,3Ex+1Ey	Combination	-1,926	-20,339	-0,023	-0,0885	0,2605	2,3985
6	4	1,2D+1L+0,3Ex+1Ey	Combination	0,51	23,633	-0,025	-0,0862	0,398	-2,542
6	3,5	1,2D+1L+0,3Ex+1Ey	Combination	0,51	16,366	-0,025	-0,0862	0,3853	7,4579
6	3	1,2D+1L+0,3Ex+1Ey	Combination	0,51	9,1	-0,025	-0,0862	0,3726	13,8244
6	5	1,2D+1L+0,3Ex+1Ey	Combination	0,51	38,167	-0,025	-0,0862	0,4234	-33,4419
6	4,5	1,2D+1L+0,3Ex+1Ey	Combination	0,51	30,9	-0,025	-0,0862	0,4107	-16,1753
6	0,5	1,2D+1L+0,3Ex+1Ey	Combination	0,51	-27,234	-0,025	-0,0862	0,3091	-8,8435
6	0	1,2D+1L+0,3Ex+1Ey	Combination	0,51	-34,501	-0,025	-0,0862	0,2964	-24,2772
6	2,5	1,2D+1L+0,3Ex+1Ey	Combination	0,51	1,833	-0,025	-0,0862	0,3599	16,5575
6	2	1,2D+1L+0,3Ex+1Ey	Combination	0,51	-5,434	-0,025	-0,0862	0,3472	15,6573
6	1,5	1,2D+1L+0,3Ex+1Ey	Combination	0,51	-12,701	-0,025	-0,0862	0,3345	11,1237
6	1	1,2D+1L+0,3Ex+1Ey	Combination	0,51	-19,967	-0,025	-0,0862	0,3218	2,9568
97	4	0,9D+0,3Ex+1Ey	Combination	0,623	18,079	0,044	-0,086	-0,335	-2,3752
97	3,5	0,9D+0,3Ex+1Ey	Combination	0,623	12,629	0,044	-0,086	-0,3127	5,302
97	5	0,9D+0,3Ex+1Ey	Combination	0,623	28,979	0,044	-0,086	-0,3794	-25,9045
97	4,5	0,9D+0,3Ex+1Ey	Combination	0,623	23,529	0,044	-0,086	-0,3572	-12,7773
97	0,5	0,9D+0,3Ex+1Ey	Combination	0,623	-20,071	0,044	-0,086	-0,1794	-5,8606
97	0	0,9D+0,3Ex+1Ey	Combination	0,623	-25,521	0,044	-0,086	-0,1572	-17,2586
97	3	0,9D+0,3Ex+1Ey	Combination	0,623	7,179	0,044	-0,086	-0,2905	10,2541
97	2,5	0,9D+0,3Ex+1Ey	Combination	0,623	1,729	0,044	-0,086	-0,2683	12,4812
97	2	0,9D+0,3Ex+1Ey	Combination	0,623	-3,721	0,044	-0,086	-0,2461	11,9833
97	1,5	0,9D+0,3Ex+1Ey	Combination	0,623	-9,171	0,044	-0,086	-0,2238	8,7604
97	1	0,9D+0,3Ex+1Ey	Combination	0,623	-14,621	0,044	-0,086	-0,2016	2,8124
103	4	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	22,233	0,03	-0,0821	-0,3121	0,199
103	3,5	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	14,966	0,03	-0,0821	-0,2973	9,4987
103	3	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	7,699	0,03	-0,0821	-0,2826	15,165
103	2,5	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	0,433	0,03	-0,0821	-0,2678	17,198
103	2	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	-6,834	0,03	-0,0821	-0,253	15,5976
103	1,5	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	-14,101	0,03	-0,0821	-0,2382	10,3638
103	5	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	36,766	0,03	-0,0821	-0,3416	-29,3005
103	4,5	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	29,499	0,03	-0,0821	-0,3269	-12,734
103	0,5	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	-28,634	0,03	-0,0821	-0,2087	-11,0038
103	0	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	-35,901	0,03	-0,0821	-0,1939	-27,1376
103	1	1,2D+1L+0,3Ex+1Ey	Combination	-3,971	-21,368	0,03	-0,0821	-0,2235	1,4967
6	4	0,9D+0,3Ex+1Ey	Combination	0,921	18,418	-0,017	-0,0738	0,3569	-3,0271
6	3,5	0,9D+0,3Ex+1Ey	Combination	0,921	12,968	-0,017	-0,0738	0,3483	4,8194
6	5	0,9D+0,3Ex+1Ey	Combination	0,921	29,318	-0,017	-0,0738	0,3741	-26,895
6	4,5	0,9D+0,3Ex+1Ey	Combination	0,921	23,868	-0,017	-0,0738	0,3655	-13,5985
6	0,5	0,9D+0,3Ex+1Ey	Combination	0,921	-19,732	-0,017	-0,0738	0,2966	-5,3276

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2	M3
6	0	0,9D+0,3Ex+1Ey	Combination	0,921	-25,183	-0,017	-0,0738	0,288	-16,5563
6	3	0,9D+0,3Ex+1Ey	Combination	0,921	7,518	-0,017	-0,0738	0,3396	9,9408
6	2,5	0,9D+0,3Ex+1Ey	Combination	0,921	2,068	-0,017	-0,0738	0,331	12,3371
6	2	0,9D+0,3Ex+1Ey	Combination	0,921	-3,382	-0,017	-0,0738	0,3224	12,0085
6	1,5	0,9D+0,3Ex+1Ey	Combination	0,921	-8,832	-0,017	-0,0738	0,3138	8,9548
6	1	0,9D+0,3Ex+1Ey	Combination	0,921	-14,282	-0,017	-0,0738	0,3052	3,1761
103	4	0,9D+0,3Ex+1Ey	Combination	-3,025	17,056	0,021	-0,0684	-0,2647	-0,5186
103	3,5	0,9D+0,3Ex+1Ey	Combination	-3,025	11,606	0,021	-0,0684	-0,2544	6,6468
103	3	0,9D+0,3Ex+1Ey	Combination	-3,025	6,156	0,021	-0,0684	-0,2441	11,0872
103	2,5	0,9D+0,3Ex+1Ey	Combination	-3,025	0,706	0,021	-0,0684	-0,2338	12,8026
103	2	0,9D+0,3Ex+1Ey	Combination	-3,025	-4,744	0,021	-0,0684	-0,2235	11,793
103	1,5	0,9D+0,3Ex+1Ey	Combination	-3,025	-10,194	0,021	-0,0684	-0,2132	8,0583
103	1	0,9D+0,3Ex+1Ey	Combination	-3,025	-15,644	0,021	-0,0684	-0,2028	1,5986
103	5	0,9D+0,3Ex+1Ey	Combination	-3,025	27,956	0,021	-0,0684	-0,2853	-23,0246
103	4,5	0,9D+0,3Ex+1Ey	Combination	-3,025	22,506	0,021	-0,0684	-0,275	-10,4091
103	0,5	0,9D+0,3Ex+1Ey	Combination	-3,025	-21,094	0,021	-0,0684	-0,1925	-7,5861
103	0	0,9D+0,3Ex+1Ey	Combination	-3,025	-26,544	0,021	-0,0684	-0,1822	-19,4958
6	4	1,2D+1L+1Ex+0,3Ey	Combination	0,974	30,166	-0,065	-0,0636	1,1204	-12,7007
6	3,5	1,2D+1L+1Ex+0,3Ey	Combination	0,974	22,899	-0,065	-0,0636	1,0879	0,5654
6	3	1,2D+1L+1Ex+0,3Ey	Combination	0,974	15,632	-0,065	-0,0636	1,0554	10,1981
6	5	1,2D+1L+1Ex+0,3Ey	Combination	0,974	44,699	-0,065	-0,0636	1,1854	-50,133
6	4,5	1,2D+1L+1Ex+0,3Ey	Combination	0,974	37,432	-0,065	-0,0636	1,1529	-29,6001
6	0,5	1,2D+1L+1Ex+0,3Ey	Combination	0,974	-20,702	-0,065	-0,0636	0,8929	3,8612
6	0	1,2D+1L+1Ex+0,3Ey	Combination	0,974	-27,968	-0,065	-0,0636	0,8604	-8,3062
6	2,5	1,2D+1L+1Ex+0,3Ey	Combination	0,974	8,365	-0,065	-0,0636	1,0229	16,1975
6	2	1,2D+1L+1Ex+0,3Ey	Combination	0,974	1,099	-0,065	-0,0636	0,9904	18,5635
6	1,5	1,2D+1L+1Ex+0,3Ey	Combination	0,974	-6,168	-0,065	-0,0636	0,9579	17,2961
6	1	1,2D+1L+1Ex+0,3Ey	Combination	0,974	-13,435	-0,065	-0,0636	0,9254	12,3953
85	4	0,9D+0,3Ex+1Ey	Combination	-1,229	17,97	-0,011	-0,0631	0,2703	-2,3571
85	3,5	0,9D+0,3Ex+1Ey	Combination	-1,229	12,52	-0,011	-0,0631	0,2649	5,2652
85	3	0,9D+0,3Ex+1Ey	Combination	-1,229	7,07	-0,011	-0,0631	0,2595	10,1625
85	2,5	0,9D+0,3Ex+1Ey	Combination	-1,229	1,619	-0,011	-0,0631	0,2541	12,3347
85	2	0,9D+0,3Ex+1Ey	Combination	-1,229	-3,831	-0,011	-0,0631	0,2487	11,782
85	5	0,9D+0,3Ex+1Ey	Combination	-1,229	28,87	-0,011	-0,0631	0,2811	-25,7768
85	4,5	0,9D+0,3Ex+1Ey	Combination	-1,229	23,42	-0,011	-0,0631	0,2757	-12,7044
85	0,5	0,9D+0,3Ex+1Ey	Combination	-1,229	-20,181	-0,011	-0,0631	0,2325	-6,2265
85	0	0,9D+0,3Ex+1Ey	Combination	-1,229	-25,631	-0,011	-0,0631	0,2271	-17,6793
85	1,5	0,9D+0,3Ex+1Ey	Combination	-1,229	-9,281	-0,011	-0,0631	0,2433	8,5042
85	1	0,9D+0,3Ex+1Ey	Combination	-1,229	-14,731	-0,011	-0,0631	0,2379	2,5014
85	4	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	28,321	-0,051	-0,0626	0,8438	-9,8629
85	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	21,054	-0,051	-0,0626	0,8181	2,4809
85	3	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	13,787	-0,051	-0,0626	0,7924	11,1913
85	2,5	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	6,521	-0,051	-0,0626	0,7668	16,2684
85	2	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	-0,746	-0,051	-0,0626	0,7411	17,7121
85	5	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	42,854	-0,051	-0,0626	0,8952	-45,4505
85	4,5	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	35,588	-0,051	-0,0626	0,8695	-25,84
85	0,5	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	-22,546	-0,051	-0,0626	0,6641	0,2429
85	0	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	-29,813	-0,051	-0,0626	0,6384	-12,8468
85	1,5	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	-8,013	-0,051	-0,0626	0,7154	15,5224
85	1	1,2D+1L+1Ex+0,3Ey	Combination	-0,504	-15,279	-0,051	-0,0626	0,6897	9,6993
85	4	1,2D+1,6L+1LR	Combination	-1,537	21,124	-0,031	-0,0605	0,158	1,3984
85	3,5	1,2D+1,6L+1LR	Combination	-1,537	13,857	-0,031	-0,0605	0,1425	10,1437
85	3	1,2D+1,6L+1LR	Combination	-1,537	6,591	-0,031	-0,0605	0,127	15,2557
85	2,5	1,2D+1,6L+1LR	Combination	-1,537	-0,676	-0,031	-0,0605	0,1116	16,7343
85	2	1,2D+1,6L+1LR	Combination	-1,537	-7,943	-0,031	-0,0605	0,0961	14,5795
85	5	1,2D+1,6L+1LR	Combination	-1,537	35,657	-0,031	-0,0605	0,189	-26,9923
85	4,5	1,2D+1,6L+1LR	Combination	-1,537	28,391	-0,031	-0,0605	0,1735	-10,9803
85	0,5	1,2D+1,6L+1LR	Combination	-1,537	-29,743	-0,031	-0,0605	0,0496	-13,685
85	0	1,2D+1,6L+1LR	Combination	-1,537	-37,01	-0,031	-0,0605	0,0341	-30,3733
85	1,5	1,2D+1,6L+1LR	Combination	-1,537	-15,21	-0,031	-0,0605	0,0806	8,7914
85	1	1,2D+1,6L+1LR	Combination	-1,537	-22,476	-0,031	-0,0605	0,0651	-0,6302
18	5	1,2D+1,6L+1LR	Combination	7,295	35,26	0,012	-0,0578	-0,0981	-26,0405
18	4,5	1,2D+1,6L+1LR	Combination	7,295	27,993	0,012	-0,0578	-0,0923	-10,2274
18	0,5	1,2D+1,6L+1LR	Combination	7,295	-30,141	0,012	-0,0578	-0,0452	-14,5239
18	0	1,2D+1,6L+1LR	Combination	7,295	-37,408	0,012	-0,0578	-0,0393	-31,4111
103	4	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	26,245	0,041	-0,0578	-0,7859	-6,1144
18	4	1,2D+1,6L+1LR	Combination	7,295	20,726	0,012	-0,0578	-0,0864	1,9523

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2	M3
103	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	18,978	0,041	-0,0578	-0,7655	5,1912
18	3,5	1,2D+1,6L+1LR	Combination	7,295	13,459	0,012	-0,0578	-0,0805	10,4986
103	3	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	11,711	0,041	-0,0578	-0,7451	12,8635
18	3	1,2D+1,6L+1LR	Combination	7,295	6,193	0,012	-0,0578	-0,0746	15,4116
103	2,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	4,444	0,041	-0,0578	-0,7248	16,9025
18	2,5	1,2D+1,6L+1LR	Combination	7,295	-1,074	0,012	-0,0578	-0,0687	16,6912
103	2	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	-2,822	0,041	-0,0578	-0,7044	17,308
18	2	1,2D+1,6L+1LR	Combination	7,295	-8,341	0,012	-0,0578	-0,0629	14,3375
103	1,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	-10,089	0,041	-0,0578	-0,684	14,0802
103	5	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	40,778	0,041	-0,0578	-0,8266	-39,6258
103	4,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	33,511	0,041	-0,0578	-0,8062	-21,0534
103	0,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	-24,622	0,041	-0,0578	-0,6433	-3,2755
103	0	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	-31,889	0,041	-0,0578	-0,623	-17,4034
18	1,5	1,2D+1,6L+1LR	Combination	7,295	-15,608	0,012	-0,0578	-0,057	8,3504
103	1	1,2D+1L+1Ex+0,3Ey	Combination	-2,573	-17,356	0,041	-0,0578	-0,6637	7,219
18	1	1,2D+1,6L+1LR	Combination	7,295	-22,874	0,012	-0,0578	-0,0511	-1,2701
92	4	1,4D	Combination	2,293	26,873	-0,021	-0,0538	-0,0576	-1,3613
92	5	1,4D	Combination	2,293	43,828	-0,021	-0,0538	-0,037	-36,7118
92	4,5	1,4D	Combination	2,293	35,351	-0,021	-0,0538	-0,0473	-16,9171
92	0,5	1,4D	Combination	2,293	-32,472	-0,021	-0,0538	-0,1296	-11,1605
92	0	1,4D	Combination	2,293	-40,95	-0,021	-0,0538	-0,1399	-29,5161
92	3,5	1,4D	Combination	2,293	18,395	-0,021	-0,0538	-0,0679	9,9556
92	3	1,4D	Combination	2,293	9,917	-0,021	-0,0538	-0,0782	17,0336
92	2,5	1,4D	Combination	2,293	1,439	-0,021	-0,0538	-0,0884	19,8726
92	2	1,4D	Combination	2,293	-7,039	-0,021	-0,0538	-0,0987	18,4727
92	1,5	1,4D	Combination	2,293	-15,517	-0,021	-0,0538	-0,109	12,8339
92	1	1,4D	Combination	2,293	-23,994	-0,021	-0,0538	-0,1193	2,9561
38	4	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	28,321	-0,011	-0,0526	-0,7845	-11,2548
38	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	21,054	-0,011	-0,0526	-0,7901	1,0889
38	3	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	13,787	-0,011	-0,0526	-0,7957	9,7992
38	2,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	6,521	-0,011	-0,0526	-0,8013	14,8762
38	2	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	-0,746	-0,011	-0,0526	-0,8069	16,3198
38	1,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	-8,013	-0,011	-0,0526	-0,8124	14,13
38	5	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	42,854	-0,011	-0,0526	-0,7734	-46,8423
38	4,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	35,587	-0,011	-0,0526	-0,7789	-27,2318
38	0,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	-22,546	-0,011	-0,0526	-0,8236	-1,1496
38	0	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	-29,813	-0,011	-0,0526	-0,8292	-14,2394
38	1	1,2D+1L+1Ex+0,3Ey	Combination	-2,049	-15,28	-0,011	-0,0526	-0,818	8,3069
11	4	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	30,621	0,071	-0,0521	-1,0514	-14,3534
11	3,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	23,354	0,071	-0,0521	-1,0159	-0,8595
11	3	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	16,088	0,071	-0,0521	-0,9804	9,0011
11	2,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	8,821	0,071	-0,0521	-0,945	15,2283
11	2	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	1,554	0,071	-0,0521	-0,9095	17,8221
11	1,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	-5,712	0,071	-0,0521	-0,874	16,7826
11	5	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	45,155	0,071	-0,0521	-1,1224	-52,2413
11	4,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	37,888	0,071	-0,0521	-1,0869	-31,4807
11	1	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	-12,979	0,071	-0,0521	-0,8385	12,1097
11	0,5	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	-20,246	0,071	-0,0521	-0,803	3,8034
11	0	1,2D+1L+1Ex+0,3Ey	Combination	-2,106	-27,513	0,071	-0,0521	-0,7676	-8,1362
11	4	0,9D+1Ex+0,3Ey	Combination	-2,245	25,156	0,065	-0,0519	-1,0305	-14,0055
11	3,5	0,9D+1Ex+0,3Ey	Combination	-2,245	19,706	0,065	-0,0519	-0,9981	-2,7901
11	3	0,9D+1Ex+0,3Ey	Combination	-2,245	14,256	0,065	-0,0519	-0,9656	5,7004
11	2,5	0,9D+1Ex+0,3Ey	Combination	-2,245	8,806	0,065	-0,0519	-0,9332	11,4658
11	2	0,9D+1Ex+0,3Ey	Combination	-2,245	3,356	0,065	-0,0519	-0,9007	14,5062
11	1,5	0,9D+1Ex+0,3Ey	Combination	-2,245	-2,094	0,065	-0,0519	-0,8683	14,8216
11	1	0,9D+1Ex+0,3Ey	Combination	-2,245	-7,544	0,065	-0,0519	-0,8358	12,4119
11	5	0,9D+1Ex+0,3Ey	Combination	-2,245	36,056	0,065	-0,0519	-1,0954	-44,6115
11	4,5	0,9D+1Ex+0,3Ey	Combination	-2,245	30,606	0,065	-0,0519	-1,063	-27,946
11	0,5	0,9D+1Ex+0,3Ey	Combination	-2,245	-12,994	0,065	-0,0519	-0,8034	7,2772
11	0	0,9D+1Ex+0,3Ey	Combination	-2,245	-18,444	0,065	-0,0519	-0,7709	-0,5825
8	5	0,9D+1Ex+0,3Ey	Combination	4,512	35,87	0,037	-0,0518	0,7838	-44,5984
8	4,5	0,9D+1Ex+0,3Ey	Combination	4,512	30,42	0,037	-0,0518	0,8026	-28,0259
8	0,5	0,9D+1Ex+0,3Ey	Combination	4,512	-13,18	0,037	-0,0518	0,9525	6,454
8	0	0,9D+1Ex+0,3Ey	Combination	4,512	-18,63	0,037	-0,0518	0,9712	-1,4987
8	4	0,9D+1Ex+0,3Ey	Combination	4,512	24,97	0,037	-0,0518	0,8213	-14,1783
8	3,5	0,9D+1Ex+0,3Ey	Combination	4,512	19,52	0,037	-0,0518	0,8401	-3,0558
8	3	0,9D+1Ex+0,3Ey	Combination	4,512	14,07	0,037	-0,0518	0,8588	5,3417

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2	M3
8	2,5	0,9D+1Ex+0,3Ey	Combination	4,512	8,62	0,037	-0,0518	0,8775	11,0142
8	2	0,9D+1Ex+0,3Ey	Combination	4,512	3,17	0,037	-0,0518	0,8963	13,9617
8	1,5	0,9D+1Ex+0,3Ey	Combination	4,512	-2,28	0,037	-0,0518	0,915	14,1841
8	1	0,9D+1Ex+0,3Ey	Combination	4,512	-7,73	0,037	-0,0518	0,9338	11,6816
8	4	1,2D+1L+1Ex+0,3Ey	Combination	4,651	30,405	0,031	-0,0514	0,8186	-14,4803
8	5	1,2D+1L+1Ex+0,3Ey	Combination	4,651	44,938	0,031	-0,0514	0,7872	-52,1518
8	4,5	1,2D+1L+1Ex+0,3Ey	Combination	4,651	37,672	0,031	-0,0514	0,8029	-31,4994
8	0,5	1,2D+1L+1Ex+0,3Ey	Combination	4,651	-20,462	0,031	-0,0514	0,9285	2,9191
8	0	1,2D+1L+1Ex+0,3Ey	Combination	4,651	-27,729	0,031	-0,0514	0,9442	-9,1288
8	3,5	1,2D+1L+1Ex+0,3Ey	Combination	4,651	23,138	0,031	-0,0514	0,8343	-1,0946
8	3	1,2D+1L+1Ex+0,3Ey	Combination	4,651	15,871	0,031	-0,0514	0,85	8,6577
8	2,5	1,2D+1L+1Ex+0,3Ey	Combination	4,651	8,605	0,031	-0,0514	0,8657	14,7767
8	2	1,2D+1L+1Ex+0,3Ey	Combination	4,651	1,338	0,031	-0,0514	0,8814	17,2624
8	1,5	1,2D+1L+1Ex+0,3Ey	Combination	4,651	-5,929	0,031	-0,0514	0,8971	16,1146
8	1	1,2D+1L+1Ex+0,3Ey	Combination	4,651	-13,196	0,031	-0,0514	0,9128	11,3335
9	4	1,2D+1L+1Ex+0,3Ey	Combination	3,449	30,726	0,0001606	-0,0513	-0,8294	-14,5577
9	3,5	1,2D+1L+1Ex+0,3Ey	Combination	3,449	23,459	0,0001606	-0,0513	-0,8293	-1,0113
9	5	1,2D+1L+1Ex+0,3Ey	Combination	3,449	45,26	0,0001606	-0,0513	-0,8296	-52,5505
9	4,5	1,2D+1L+1Ex+0,3Ey	Combination	3,449	37,993	0,0001606	-0,0513	-0,8295	-31,7374
9	0,5	1,2D+1L+1Ex+0,3Ey	Combination	3,449	-20,141	0,0001606	-0,0513	-0,8288	3,9662
9	0	1,2D+1L+1Ex+0,3Ey	Combination	3,449	-27,408	0,0001606	-0,0513	-0,8288	-7,921
9	3	1,2D+1L+1Ex+0,3Ey	Combination	3,449	16,193	0,0001606	-0,0513	-0,8292	8,9017
9	2,5	1,2D+1L+1Ex+0,3Ey	Combination	3,449	8,926	0,0001606	-0,0513	-0,8292	15,1813
9	2	1,2D+1L+1Ex+0,3Ey	Combination	3,449	1,659	0,0001606	-0,0513	-0,8291	17,8276
9	1,5	1,2D+1L+1Ex+0,3Ey	Combination	3,449	-5,608	0,0001606	-0,0513	-0,829	16,8405
9	1	1,2D+1L+1Ex+0,3Ey	Combination	3,449	-12,874	0,0001606	-0,0513	-0,8289	12,22
6	4	0,9D+1Ex+0,3Ey	Combination	1,385	24,95	-0,057	-0,0512	1,0792	-13,1857
6	3,5	0,9D+1Ex+0,3Ey	Combination	1,385	19,5	-0,057	-0,0512	1,0508	-2,0731
6	5	0,9D+1Ex+0,3Ey	Combination	1,385	35,85	-0,057	-0,0512	1,136	-43,5861
6	4,5	0,9D+1Ex+0,3Ey	Combination	1,385	30,4	-0,057	-0,0512	1,1076	-27,0234
6	0,5	0,9D+1Ex+0,3Ey	Combination	1,385	-13,2	-0,057	-0,0512	0,8804	7,3772
6	0	0,9D+1Ex+0,3Ey	Combination	1,385	-18,65	-0,057	-0,0512	0,852	-0,5854
6	3	0,9D+1Ex+0,3Ey	Combination	1,385	14,05	-0,057	-0,0512	1,0224	6,3145
6	2,5	0,9D+1Ex+0,3Ey	Combination	1,385	8,6	-0,057	-0,0512	0,994	11,9771
6	2	0,9D+1Ex+0,3Ey	Combination	1,385	3,15	-0,057	-0,0512	0,9656	14,9146
6	1,5	0,9D+1Ex+0,3Ey	Combination	1,385	-2,3	-0,057	-0,0512	0,9372	15,1272
6	1	0,9D+1Ex+0,3Ey	Combination	1,385	-7,75	-0,057	-0,0512	0,9088	12,6147
9	4	0,9D+1Ex+0,3Ey	Combination	2,679	25,273	-0,003213	-0,051	-0,8285	-14,2527
9	5	0,9D+1Ex+0,3Ey	Combination	2,679	36,173	-0,003213	-0,051	-0,8253	-44,9754
9	4,5	0,9D+1Ex+0,3Ey	Combination	2,679	30,723	-0,003213	-0,051	-0,8269	-28,2516
9	0,5	0,9D+1Ex+0,3Ey	Combination	2,679	-12,878	-0,003213	-0,051	-0,8397	7,4386
9	0	0,9D+1Ex+0,3Ey	Combination	2,679	-18,328	-0,003213	-0,051	-0,8414	-0,3628
9	3,5	0,9D+1Ex+0,3Ey	Combination	2,679	19,823	-0,003213	-0,051	-0,8301	-2,9789
9	3	0,9D+1Ex+0,3Ey	Combination	2,679	14,373	-0,003213	-0,051	-0,8317	5,5699
9	2,5	0,9D+1Ex+0,3Ey	Combination	2,679	8,923	-0,003213	-0,051	-0,8333	11,3937
9	2	0,9D+1Ex+0,3Ey	Combination	2,679	3,472	-0,003213	-0,051	-0,8349	14,4924
9	1,5	0,9D+1Ex+0,3Ey	Combination	2,679	-1,978	-0,003213	-0,051	-0,8365	14,8662
9	1	0,9D+1Ex+0,3Ey	Combination	2,679	-7,428	-0,003213	-0,051	-0,8381	12,5149
38	4	0,9D+1Ex+0,3Ey	Combination	-1,524	22,896	-0,02	-0,0497	-0,7882	-10,9565
38	3,5	0,9D+1Ex+0,3Ey	Combination	-1,524	17,446	-0,02	-0,0497	-0,7982	-0,8708
38	3	0,9D+1Ex+0,3Ey	Combination	-1,524	11,996	-0,02	-0,0497	-0,8082	6,4898
38	2,5	0,9D+1Ex+0,3Ey	Combination	-1,524	6,546	-0,02	-0,0497	-0,8182	11,1254
38	2	0,9D+1Ex+0,3Ey	Combination	-1,524	1,096	-0,02	-0,0497	-0,8282	13,036
38	1,5	0,9D+1Ex+0,3Ey	Combination	-1,524	-4,354	-0,02	-0,0497	-0,8382	12,2216
38	5	0,9D+1Ex+0,3Ey	Combination	-1,524	33,796	-0,02	-0,0497	-0,7682	-39,3028
38	4,5	0,9D+1Ex+0,3Ey	Combination	-1,524	28,346	-0,02	-0,0497	-0,7782	-23,7671
38	0,5	0,9D+1Ex+0,3Ey	Combination	-1,524	-15,254	-0,02	-0,0497	-0,8583	2,4177
38	0	0,9D+1Ex+0,3Ey	Combination	-1,524	-20,704	-0,02	-0,0497	-0,8683	-6,5719
38	1	0,9D+1Ex+0,3Ey	Combination	-1,524	-9,804	-0,02	-0,0497	-0,8483	8,6821
10	4	0,9D+1Ex+0,3Ey	Combination	0,905	25,254	-0,021	-0,0486	0,886	-14,2856
10	3,5	0,9D+1Ex+0,3Ey	Combination	0,905	19,804	-0,021	-0,0486	0,8753	-3,021
10	3	0,9D+1Ex+0,3Ey	Combination	0,905	14,354	-0,021	-0,0486	0,8647	5,5185
10	5	0,9D+1Ex+0,3Ey	Combination	0,905	36,154	-0,021	-0,0486	0,9073	-44,9897
10	4,5	0,9D+1Ex+0,3Ey	Combination	0,905	30,704	-0,021	-0,0486	0,8967	-28,2751
10	0,5	0,9D+1Ex+0,3Ey	Combination	0,905	-12,896	-0,021	-0,0486	0,8113	7,3408
10	0	0,9D+1Ex+0,3Ey	Combination	0,905	-18,346	-0,021	-0,0486	0,8007	-0,4698
10	2,5	0,9D+1Ex+0,3Ey	Combination	0,905	8,904	-0,021	-0,0486	0,854	11,333

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2	M3
10	2	0,9D+1Ex+0,3Ey	Combination	0,905	3,454	-0,021	-0,0486	0,8433	14,4225
10	1,5	0,9D+1Ex+0,3Ey	Combination	0,905	-1,996	-0,021	-0,0486	0,8327	14,7869
10	1	0,9D+1Ex+0,3Ey	Combination	0,905	-7,446	-0,021	-0,0486	0,822	12,4264
12	4	1,4D	Combination	-1,029	24,006	-0,009315	-0,0485	0,0616	2,6359
12	3,5	1,4D	Combination	-1,029	15,528	-0,009315	-0,0485	0,0569	12,5196
12	3	1,4D	Combination	-1,029	7,051	-0,009315	-0,0485	0,0523	18,1643
12	2,5	1,4D	Combination	-1,029	-1,427	-0,009315	-0,0485	0,0476	19,5701
12	5	1,4D	Combination	-1,029	40,962	-0,009315	-0,0485	0,0709	-29,8482
12	4,5	1,4D	Combination	-1,029	32,484	-0,009315	-0,0485	0,0662	-11,4867
12	0,5	1,4D	Combination	-1,029	-35,339	-0,009315	-0,0485	0,029	-17,1959
12	0	1,4D	Combination	-1,029	-43,817	-0,009315	-0,0485	0,0243	-36,9847
12	2	1,4D	Combination	-1,029	-9,905	-0,009315	-0,0485	0,043	16,737
12	1,5	1,4D	Combination	-1,029	-18,383	-0,009315	-0,0485	0,0383	9,665
12	1	1,4D	Combination	-1,029	-26,861	-0,009315	-0,0485	0,0336	-1,646
10	4	1,2D+1L+1Ex+0,3Ey	Combination	1,675	30,701	-0,025	-0,0483	0,8952	-14,5802
10	3,5	1,2D+1L+1Ex+0,3Ey	Combination	1,675	23,434	-0,025	-0,0483	0,8828	-1,0465
10	5	1,2D+1L+1Ex+0,3Ey	Combination	1,675	45,234	-0,025	-0,0483	0,9199	-52,5476
10	4,5	1,2D+1L+1Ex+0,3Ey	Combination	1,675	37,967	-0,025	-0,0483	0,9075	-31,7472
10	0,5	1,2D+1L+1Ex+0,3Ey	Combination	1,675	-20,166	-0,025	-0,0483	0,8087	3,8547
10	0	1,2D+1L+1Ex+0,3Ey	Combination	1,675	-27,433	-0,025	-0,0483	0,7963	-8,0452
10	3	1,2D+1L+1Ex+0,3Ey	Combination	1,675	16,167	-0,025	-0,0483	0,8705	8,8537
10	2,5	1,2D+1L+1Ex+0,3Ey	Combination	1,675	8,9	-0,025	-0,0483	0,8581	15,1207
10	2	1,2D+1L+1Ex+0,3Ey	Combination	1,675	1,634	-0,025	-0,0483	0,8458	17,7542
10	1,5	1,2D+1L+1Ex+0,3Ey	Combination	1,675	-5,633	-0,025	-0,0483	0,8334	16,7544
10	1	1,2D+1L+1Ex+0,3Ey	Combination	1,675	-12,9	-0,025	-0,0483	0,8211	12,1212
103	4	0,9D+1Ex+0,3Ey	Combination	-1,627	21,068	0,032	-0,044	-0,7384	-6,8321
103	3,5	0,9D+1Ex+0,3Ey	Combination	-1,627	15,618	0,032	-0,044	-0,7226	2,3393
103	3	0,9D+1Ex+0,3Ey	Combination	-1,627	10,168	0,032	-0,044	-0,7067	8,7857
103	2,5	0,9D+1Ex+0,3Ey	Combination	-1,627	4,718	0,032	-0,044	-0,6908	12,507
103	2	0,9D+1Ex+0,3Ey	Combination	-1,627	-0,732	0,032	-0,044	-0,6749	13,5034
103	1,5	0,9D+1Ex+0,3Ey	Combination	-1,627	-6,182	0,032	-0,044	-0,659	11,7747
103	5	0,9D+1Ex+0,3Ey	Combination	-1,627	31,968	0,032	-0,044	-0,7702	-33,3499
103	4,5	0,9D+1Ex+0,3Ey	Combination	-1,627	26,518	0,032	-0,044	-0,7543	-18,7285
103	0,5	0,9D+1Ex+0,3Ey	Combination	-1,627	-17,083	0,032	-0,044	-0,6272	10,1422
103	0	0,9D+1Ex+0,3Ey	Combination	-1,627	-22,533	0,032	-0,044	-0,6113	-9,7616
103	1	0,9D+1Ex+0,3Ey	Combination	-1,627	-11,632	0,032	-0,044	-0,6431	7,3209
85	4	1,4D	Combination	-0,887	24,572	-0,022	-0,0437	0,1172	1,5891
85	3,5	1,4D	Combination	-0,887	16,095	-0,022	-0,0437	0,1062	11,7559
85	3	1,4D	Combination	-0,887	7,617	-0,022	-0,0437	0,0953	17,6837
85	2,5	1,4D	Combination	-0,887	-0,861	-0,022	-0,0437	0,0843	19,3725
85	5	1,4D	Combination	-0,887	41,528	-0,022	-0,0437	0,1391	-31,4611
85	4,5	1,4D	Combination	-0,887	33,05	-0,022	-0,0437	0,1282	-12,8165
85	0,5	1,4D	Combination	-0,887	-34,773	-0,022	-0,0437	0,0404	-16,2612
85	0	1,4D	Combination	-0,887	-43,25	-0,022	-0,0437	0,0294	-35,767
85	2	1,4D	Combination	-0,887	-9,339	-0,022	-0,0437	0,0733	16,8225
85	1,5	1,4D	Combination	-0,887	-17,817	-0,022	-0,0437	0,0623	10,0335
85	1	1,4D	Combination	-0,887	-26,295	-0,022	-0,0437	0,0514	-0,9944
85	4	0,9D+1Ex+0,3Ey	Combination	0,194	23,03	-0,04	-0,0372	0,7858	-10,2362
85	3,5	0,9D+1Ex+0,3Ey	Combination	0,194	17,58	-0,04	-0,0372	0,766	-0,0839
85	3	0,9D+1Ex+0,3Ey	Combination	0,194	12,13	-0,04	-0,0372	0,7462	7,3433
85	2,5	0,9D+1Ex+0,3Ey	Combination	0,194	6,679	-0,04	-0,0372	0,7265	12,0456
85	5	0,9D+1Ex+0,3Ey	Combination	0,194	33,93	-0,04	-0,0372	0,8253	-38,7159
85	4,5	0,9D+1Ex+0,3Ey	Combination	0,194	28,48	-0,04	-0,0372	0,8056	-23,1135
85	0,5	0,9D+1Ex+0,3Ey	Combination	0,194	-15,121	-0,04	-0,0372	0,6474	3,6043
85	0	0,9D+1Ex+0,3Ey	Combination	0,194	-20,571	-0,04	-0,0372	0,6276	-5,3185
85	2	0,9D+1Ex+0,3Ey	Combination	0,194	1,229	-0,04	-0,0372	0,7067	14,0228
85	1,5	0,9D+1Ex+0,3Ey	Combination	0,194	-4,221	-0,04	-0,0372	0,6869	13,275
85	1	0,9D+1Ex+0,3Ey	Combination	0,194	-9,671	-0,04	-0,0372	0,6672	9,8022
14	4	1,2D+1L+1Ex+0,3Ey	Combination	4,002	29,99	-0,033	-0,037	-0,8141	-13,9142
14	5	1,2D+1L+1Ex+0,3Ey	Combination	4,002	44,524	-0,033	-0,037	-0,781	-51,1714
14	4,5	1,2D+1L+1Ex+0,3Ey	Combination	4,002	37,257	-0,033	-0,037	-0,7975	-30,7261
14	0,5	1,2D+1L+1Ex+0,3Ey	Combination	4,002	-20,877	-0,033	-0,037	-0,9302	2,0349
14	0	1,2D+1L+1Ex+0,3Ey	Combination	4,002	-28,143	-0,033	-0,037	-0,9468	-10,2201
14	3,5	1,2D+1L+1Ex+0,3Ey	Combination	4,002	22,724	-0,033	-0,037	-0,8307	-0,7357
14	3	1,2D+1L+1Ex+0,3Ey	Combination	4,002	15,457	-0,033	-0,037	-0,8473	8,8095
14	2,5	1,2D+1L+1Ex+0,3Ey	Combination	4,002	8,19	-0,033	-0,037	-0,8639	14,7213
14	2	1,2D+1L+1Ex+0,3Ey	Combination	4,002	0,924	-0,033	-0,037	-0,8805	16,9998

TABLE: Element Forces - Frames

Frame	Station	OutputCase	CaseType	P	V2	V3	T	M2	M3
14	1,5	1,2D+1L+1Ex+0,3Ey	Combination	4,002	-6,343	-0,033	-0,037	-0,8971	15,6449
14	1	1,2D+1L+1Ex+0,3Ey	Combination	4,002	-13,61	-0,033	-0,037	-0,9136	10,6566
39	4	0,9D+1Ex+0,3Ey	Combination	0,031	23,088	0,006293	-0,0366	0,7954	-10,9872
39	3,5	0,9D+1Ex+0,3Ey	Combination	0,031	17,638	0,006293	-0,0366	0,7985	-0,8055
39	3	0,9D+1Ex+0,3Ey	Combination	0,031	12,188	0,006293	-0,0366	0,8017	6,6511
39	2,5	0,9D+1Ex+0,3Ey	Combination	0,031	6,738	0,006293	-0,0366	0,8048	11,3827
39	5	0,9D+1Ex+0,3Ey	Combination	0,031	33,988	0,006293	-0,0366	0,7891	-39,5256
39	4,5	0,9D+1Ex+0,3Ey	Combination	0,031	28,538	0,006293	-0,0366	0,7922	-23,8939
39	0,5	0,9D+1Ex+0,3Ey	Combination	0,031	-15,062	0,006293	-0,0366	0,8174	3,059
39	0	0,9D+1Ex+0,3Ey	Combination	0,031	-20,512	0,006293	-0,0366	0,8206	-5,8345
39	2	0,9D+1Ex+0,3Ey	Combination	0,031	1,288	0,006293	-0,0366	0,808	13,3893
39	1,5	0,9D+1Ex+0,3Ey	Combination	0,031	-4,162	0,006293	-0,0366	0,8111	12,6709
39	1	0,9D+1Ex+0,3Ey	Combination	0,031	-9,612	0,006293	-0,0366	0,8143	9,2274
39	4	1,2D+1L+1Ex+0,3Ey	Combination	0,228	28,542	0,001575	-0,0364	0,7981	-11,2921
39	3,5	1,2D+1L+1Ex+0,3Ey	Combination	0,228	21,275	0,001575	-0,0364	0,7989	1,1622
39	3	1,2D+1L+1Ex+0,3Ey	Combination	0,228	14,008	0,001575	-0,0364	0,7997	9,9831
39	2,5	1,2D+1L+1Ex+0,3Ey	Combination	0,228	6,742	0,001575	-0,0364	0,8005	15,1706
39	5	1,2D+1L+1Ex+0,3Ey	Combination	0,228	43,075	0,001575	-0,0364	0,7965	-47,1007
39	4,5	1,2D+1L+1Ex+0,3Ey	Combination	0,228	35,809	0,001575	-0,0364	0,7973	-27,3797
39	0,5	1,2D+1L+1Ex+0,3Ey	Combination	0,228	-22,325	0,001575	-0,0364	0,8036	-0,4128
39	0	1,2D+1L+1Ex+0,3Ey	Combination	0,228	-29,592	0,001575	-0,0364	0,8044	-13,3921
39	2	1,2D+1L+1Ex+0,3Ey	Combination	0,228	-0,525	0,001575	-0,0364	0,8013	16,7248
39	1,5	1,2D+1L+1Ex+0,3Ey	Combination	0,228	-7,792	0,001575	-0,0364	0,802	14,6456
39	1	1,2D+1L+1Ex+0,3Ey	Combination	0,228	-15,058	0,001575	-0,0364	0,8028	8,9331
40	4	1,2D+1L+1Ex+0,3Ey	Combination	0,093	28,494	0,029	-0,0362	-0,8648	-11,2379
40	3,5	1,2D+1L+1Ex+0,3Ey	Combination	0,093	21,227	0,029	-0,0362	-0,8505	1,1923
40	3	1,2D+1L+1Ex+0,3Ey	Combination	0,093	13,96	0,029	-0,0362	-0,8362	9,9892
40	2,5	1,2D+1L+1Ex+0,3Ey	Combination	0,093	6,694	0,029	-0,0362	-0,8219	15,1527
40	5	1,2D+1L+1Ex+0,3Ey	Combination	0,093	43,027	0,029	-0,0362	-0,8933	-46,9985
40	4,5	1,2D+1L+1Ex+0,3Ey	Combination	0,093	35,761	0,029	-0,0362	-0,8791	-27,3015
40	0,5	1,2D+1L+1Ex+0,3Ey	Combination	0,093	-22,373	0,029	-0,0362	-0,7647	-0,5269
40	0	1,2D+1L+1Ex+0,3Ey	Combination	0,093	-29,64	0,029	-0,0362	-0,7504	-13,5302
40	2	1,2D+1L+1Ex+0,3Ey	Combination	0,093	-0,573	0,029	-0,0362	-0,8076	16,6828
40	1,5	1,2D+1L+1Ex+0,3Ey	Combination	0,093	-7,84	0,029	-0,0362	-0,7933	14,5796
40	1	1,2D+1L+1Ex+0,3Ey	Combination	0,093	-15,107	0,029	-0,0362	-0,779	8,8431
14	4	0,9D+1Ex+0,3Ey	Combination	2,779	24,56	-0,036	-0,0361	-0,8207	-13,6159
14	5	0,9D+1Ex+0,3Ey	Combination	2,779	35,46	-0,036	-0,0361	-0,785	-43,6256
14	4,5	0,9D+1Ex+0,3Ey	Combination	2,779	30,01	-0,036	-0,0361	-0,8029	-27,2582
14	0,5	0,9D+1Ex+0,3Ey	Combination	2,779	-13,591	-0,036	-0,0361	-0,9454	5,5797
14	0	0,9D+1Ex+0,3Ey	Combination	2,779	-19,041	-0,036	-0,0361	-0,9632	-2,5781
14	3,5	0,9D+1Ex+0,3Ey	Combination	2,779	19,11	-0,036	-0,0361	-0,8385	-2,6986
14	3	0,9D+1Ex+0,3Ey	Combination	2,779	13,66	-0,036	-0,0361	-0,8563	5,4937
14	2,5	0,9D+1Ex+0,3Ey	Combination	2,779	8,209	-0,036	-0,0361	-0,8741	10,9609
14	2	0,9D+1Ex+0,3Ey	Combination	2,779	2,759	-0,036	-0,0361	-0,8919	13,7032
14	1,5	0,9D+1Ex+0,3Ey	Combination	2,779	-2,691	-0,036	-0,0361	-0,9098	13,7204
14	1	0,9D+1Ex+0,3Ey	Combination	2,779	-8,141	-0,036	-0,0361	-0,9276	11,0126
40	4	0,9D+1Ex+0,3Ey	Combination	-0,104	23,048	0,024	-0,0359	-0,8534	-10,9463
40	3,5	0,9D+1Ex+0,3Ey	Combination	-0,104	17,598	0,024	-0,0359	-0,8414	-0,7847
40	3	0,9D+1Ex+0,3Ey	Combination	-0,104	12,148	0,024	-0,0359	-0,8295	6,652
40	2,5	0,9D+1Ex+0,3Ey	Combination	-0,104	6,698	0,024	-0,0359	-0,8176	11,3636
40	5	0,9D+1Ex+0,3Ey	Combination	-0,104	33,948	0,024	-0,0359	-0,8772	-39,4448
40	4,5	0,9D+1Ex+0,3Ey	Combination	-0,104	28,498	0,024	-0,0359	-0,8653	-23,833
40	0,5	0,9D+1Ex+0,3Ey	Combination	-0,104	-15,102	0,024	-0,0359	-0,7698	2,9599
40	0	0,9D+1Ex+0,3Ey	Combination	-0,104	-20,552	0,024	-0,0359	-0,7579	-5,9536
40	2	0,9D+1Ex+0,3Ey	Combination	-0,104	1,248	0,024	-0,0359	-0,8056	13,3502
40	1,5	0,9D+1Ex+0,3Ey	Combination	-0,104	-4,202	0,024	-0,0359	-0,7937	12,6118
40	1	0,9D+1Ex+0,3Ey	Combination	-0,104	-9,652	0,024	-0,0359	-0,7817	9,1484
41	4	1,2D+1L+1Ex+0,3Ey	Combination	0,315	28,608	-0,05	-0,0344	0,9624	-11,5564
41	3,5	1,2D+1L+1Ex+0,3Ey	Combination	0,315	21,342	-0,05	-0,0344	0,9373	0,9311
41	3	1,2D+1L+1Ex+0,3Ey	Combination	0,315	14,075	-0,05	-0,0344	0,9122	9,7852
41	2,5	1,2D+1L+1Ex+0,3Ey	Combination	0,315	6,808	-0,05	-0,0344	0,8871	15,0059
41	5	1,2D+1L+1Ex+0,3Ey	Combination	0,315	43,142	-0,05	-0,0344	1,0127	-47,4314
41	4,5	1,2D+1L+1Ex+0,3Ey	Combination	0,315	35,875	-0,05	-0,0344	0,9876	-27,6772
41	0,5	1,2D+1L+1Ex+0,3Ey	Combination	0,315	-22,259	-0,05	-0,0344	0,7866	-0,4448
41	0	1,2D+1L+1Ex+0,3Ey	Combination	0,315	-29,526	-0,05	-0,0344	0,7615	-13,3909
41	2	1,2D+1L+1Ex+0,3Ey	Combination	0,315	-0,459	-0,05	-0,0344	0,862	16,5933
41	1,5	1,2D+1L+1Ex+0,3Ey	Combination	0,315	-7,725	-0,05	-0,0344	0,8369	14,5473

LAMPIRAN IV

Perhitungan Tulangan Kolom

LAMPIRAN 4

Aksial - Lentur			
Kondisi	P (kN)	M2 (kN-m)	M3 (kN-m)
P max	-80,335	13,5787	-5,1031
P min	-764,449	-4,382	0,0323
M2 Max	-645,996	38,1929	10,3875
M2 Min	-460,182	-57,8587	7,3612
M3 Max	-537,64	-15,0353	36,0171
M3 Min	-379,295	9,909	-36,0195

Gaya Tekan Terkecil	
Nu (kN)	80,10

Geser	
Tumpuan	
V2 (kN)	25,000
V3 (kN)	39,000
Lapangan	
V2 (kN)	16,000
V3 (kN)	4,100

Parameter	Pasal Referensi	Persamaan	Satuan	Nilai
	SNI 2847:2019			
Properti Material dan Penampang				
Panjang/Tinggi Kolom, L		Input	mm	4000
Sisi Pendek Kolom, b		Input	mm	400
Sisi Panjang Kolom, h		Input	mm	400
Diameter Tulangan Longitudinal, d_b		Input	mm	22
Diameter Tulangan Senggang, d_s		Input	mm	13
Selimit Bersih, c_c		Input	mm	40
Kuat Tekan Beton, f'_c		Input	MPa	25
Kuat Leleh Tul. Longitudinal, f_y		Input	MPa	420
Kuat Leleh Tul. Transversal, f_{yv}		Input	MPa	400
Tinggi Balok, h_b		Input	mm	500
L_n		$L - h_b$	mm	3500
Syarat Gaya dan Geometri				
Syarat Gaya Aksial	Tidak dipersyaratkan. Baca R18.7.1	$P_u > 0.1 A_g f'_c$?		OK
Syarat Sisi Terpendek	18.7.2.1	$b \geq 300$ mm ?		OK
Syarat Rasio Dimensi Penampang	18.7.2.1	$b/h \geq 0.4$?		OK
Pengecekan Terhadap Gaya Dalam Aksial-Lentur (Menggunakan PCA Column, atau SP Column, atau CSI Column, dll.)				
Jumlah Tulangan, n		Input		8
Luas Tulangan Longitudinal, A_s		$n * \pi/4 * d_b^2$	mm ²	3041,1
Rasio Tulangan, ρ		$A_s / (b * h)$		1,90%
Cek ρ_{min} dan ρ_{max}	18.7.4.1	$1\% \leq \rho \leq 6\%$		OK

Parameter	Pasal Referensi	Persamaan	Satuan	Nilai
	SNI 2847:2019			
Properti Material dan Penampang				
Panjang/Tinggi Kolom, L		Dari Sheet Desain Longitudinal	mm	4000
Sisi Pendek Kolom, b		Dari Sheet Desain Longitudinal	mm	400
Sisi Panjang Kolom, h		Dari Sheet Desain Longitudinal	mm	400
Diameter Tulangan Longitudinal, d_b		Dari Sheet Desain Longitudinal	mm	22
Diameter Tulangan Sengkang, d_s		Dari Sheet Desain Longitudinal	mm	13
Selimit Bersih, c_c		Dari Sheet Desain Longitudinal	mm	40
Kuat Tekan Beton, f_c'		Dari Sheet Desain Longitudinal	MPa	25
Kuat Leleh Tul. Longitudinal, f_y		Dari Sheet Desain Longitudinal	MPa	420
Kuat Leleh Tul. Transversal, f_{yv}		Dari Sheet Desain Longitudinal	MPa	400
Tinggi Balok, h_b		Dari Sheet Desain Longitudinal	mm	500
L_n		Dari Sheet Desain Longitudinal	mm	3500
Panjang Zona Sendi Plastis				
l_{o1}	18.7.5.1	h	mm	400,0
l_{o2}	18.7.5.1	$L_n / 6$	mm	583,3
l_{o3}	18.7.5.1	450 mm	mm	450
l_o	18.7.5.1	Max (l_{o1} ; l_{o2} ; l_{o3})	mm	583,3

Tulangan Transversal Zona Sendi Plastis/Tumpuan				
Jumlah Kaki Sisi Pendek, n_1		Input		3
Jumlah Kaki Sisi Panjang, n_2		Input		3
Spasi, s		Input	mm	100
Spasi Kaki Terbesar, $x_{i \max}$	R18.7.5.2	Input	mm	139
$A_{sh \ 1}$		$n * \pi / 4 * d_s^2$	mm ²	398,197
$A_{sh \ 2}$		$n * \pi / 4 * d_s^2$	mm ²	398,197
$A_{sh} / s, \ 1$			mm ² / mm	3,982
$A_{sh} / s, \ 2$			mm ² / mm	3,982
Confinement/Kekangan Zona Sendi Plastis				
Lebar Penampang Inti Beton, b_c	R18.7.5.2	$b - 2c_c$	mm	320
Panjang Penampang Inti Beton, h_c	R18.7.5.2	$h - 2c_c$	mm	320
Luas Penampang Kolom, A_g		$b * h$	mm ²	160000
Luas Penampang Inti Beton, A_{ch}		$b_c * h_c$	mm ²	102400
Sisi Pendek/Sumbu Lemah				
$A_{sh}/s \text{ min}, \ 1$	18.7.5.4	$0.3 (b_c * f_c' / f_{yv}) * (A_g / A_{ch} - 1)$	mm ²	3,375
$A_{sh}/s \text{ min}, \ 2$	18.7.5.4	$0.09 * b_c * f_c' / f_{yv}$	mm ²	1,800
Cek $A_{sh}/s \ 1$		$A_{sh}/s \ 1 \geq A_{sh}/s \text{ min} ?$		OK
Sisi Panjang/Sumbu Kuat				
$A_{sh}/s \text{ min}, \ 1$	18.7.5.4	$0.3 (h_c * f_c' / f_{yv}) * (A_g / A_{ch} - 1)$	mm ²	3,375
$A_{sh}/s \text{ min}, \ 2$	18.7.5.4	$0.09 * h_c * f_c' / f_{yv}$	mm ²	1,800
Cek $A_{sh}/s \ 2$		$A_{sh}/s \ 2 \geq A_{sh}/s \text{ min} ?$		OK
Cek Spasi				
$s_{\max,1}$	18.7.5.3	$b / 4$	mm	100
$s_{\max,2}$	18.7.5.3	$6 * d_b$	mm	132
h_x	18.7.5.3	$x_{i \max}$	mm	139
$s_{\max,3} = s_o$	18.7.5.3	$100 \leq 100 + (350 - h_x) / 3 \leq 150$	mm	150,000
s_{\max}	18.7.5.3	Min ($s_{\max,1}$, $s_{\max,2}$, $s_{\max,3}$)	mm	100,000
Cek Spasi				OK
Kuat Geser Zona Sendi Plastis				
Gaya Geser Desain (Perlu input dari PCA Column, atau SP Column, atau CSI Column, dll. dengan $f_{pr} = 1.25 f_y$)				
M_{pr} Kolom		Input, (nilai terbesar)	kN m	303,300
$V_{u \ 1}$	18.7.6.1	$2 * M_{pr} \text{ Kolom} / L_n$	N	173314
Gaya Geser Hasil Analisis Struktur				
$V_{u \ 2}$, Sumbu Lemah		Dari Sheet Gaya Dalam	N	25000
$V_{u \ 2}$, Sumbu Kuat		Dari Sheet Gaya Dalam	N	39000
Tahanan Geser Beton Sumbu Lemah				

V_u		$\text{Max}(V_{u1}, V_{u2})$	N	173314
ϕ	Tabel 21.2.1			0,75
V_c	22.5.6.1	$0.17 (1 + N_u / (14 A_g)) (f_c')^{0.5} h d; d = b - c_c - d_s - d_b / 2$	N	118325
V_s Perlu	22.5.10.1	$V_u / \phi - V_c$	N	112761
A_s/s Perlu	22.5.10.5.3	$V_s / (f_{yv} * d); d = b - c_c - d_s - d_b / 2$	mm ² / mm	0,8390
A_s/s Min 1	10.6.2.2	$0.062 (f_c')^{0.5} h / f_{yv}$	mm ² / mm	0,3100
A_s/s Min 2	10.6.2.2	$0.35 h / f_{yv}$	mm ² / mm	0,3500
Cek A_s/s		$A_{sh/s} 1 \geq \text{Max}(A_s/s \text{ Perlu}, A_s/s \text{ Min}) ?$		OK
Tahanan Geser Beton Sumbu Kuat				
V_u		$\text{Max}(V_{u1}, V_{u2})$	N	173314
ϕ	Tabel 21.2.1			0,75
V_c	22.5.6.1	$0.17 (1 + N_u / (14 A_g)) (f_c')^{0.5} b d; d = h - c_c - d_s - d_b / 2$	N	118325
V_s Perlu	22.5.10.1	$V_u / \phi - V_c$	N	112761
A_s/s Perlu	22.5.10.5.3	$V_s / (f_{yv} * d); d = h - c_c - d_s - d_b / 2$	mm ² / mm	0,8390
A_s/s Min 1	10.6.2.2	$0.062 (f_c')^{0.5} b / f_{yv}$	mm ² / mm	0,3100
A_s/s Min 2	10.6.2.2	$0.35 b / f_{yv}$	mm ² / mm	0,3500
Cek A_s/s		$A_{sh/s} 2 \geq \text{Max}(A_s/s \text{ Perlu}, A_s/s \text{ Min}) ?$		OK

Tulangan Transversal Luar Zona Sendi Plastis/Tumpuan				
Jumlah Kaki Sisi Pendek, n1		Input		2
Jumlah Kaki Sisi Panjang, n2		Input		2
Spasi, s		Input	mm	125
A_v Sumbu Lemah		$n * \pi / 4 * d_s^2$	mm ²	265,465
A_v Sumbu Kuat		$n * \pi / 4 * d_s^2$	mm ²	265,465
Confinement/Kekangan Luar Zona Sendi Plastis				
Spasi max 1	18.7.5.5	$6 d_b$	mm	132,0
Spasi max 2	18.7.5.5	150 mm	mm	150,0
Cek Spasi		Spasi \leq Spasi Max ?		OK
Kuat Geser Luar Zona Sendi Plastis				
Tahanan Geser Beton Sumbu Lemah				
V_u		Dari Sheet Gaya Dalam	N	16000
ϕ	Tabel 21.2.1			0,75
V_c	22.5.6.1	$0.17 (1 + N_u / (14 A_g)) (f_c')^{0.5} h d; d = b - c_c - d_s - d_b / 2$	N	118325
V_s Perlu	22.5.10.1	$\text{Max}(V_u / \phi - V_c; 0)$		0
A_v/s Perlu	22.5.10.5.3	$V_s / (f_{yv} * d); d = b - c_c - d_s - d_b / 2$		0,0000
A_s/s Min 1	10.6.2.2	$0.062 (f_c')^{0.5} b / f_{yv}$	mm ² / mm	0,0000
A_s/s Min 2	10.6.2.2	$0.35 b / f_{yv}$	mm ² / mm	0,0000
Cek A_s/s		$A_v/s \geq A_v/s \text{ Perlu} ?$		OK
Tahanan Geser Beton Sumbu Kuat				
V_u		Dari Sheet Gaya Dalam	N	4100
ϕ	Tabel 21.2.1			0,75
V_c	22.5.6.1	$0.17 (1 + N_u / (14 A_g)) (f_c')^{0.5} b d; d = h - c_c - d_s - d_b / 2$	N	118325
V_s Perlu	22.5.10.1	$\text{Max}(V_u / \phi - V_c; 0)$		0
A_v/s Perlu	22.5.10.5.3	$V_s / (f_{yv} * d); d = h - c_c - d_s - d_b / 2$		0,0000
A_s/s Min 1	10.6.2.2	$0.062 (f_c')^{0.5} b / f_{yv}$	mm ² / mm	0,0000
A_s/s Min 2	10.6.2.2	$0.35 b / f_{yv}$	mm ² / mm	0,0000
Cek A_s/s		$A_v/s \geq A_v/s \text{ Perlu} ?$		OK

Kesimpulan	
Syarat Gaya dan Geometri	OK
Kapasitas Lentur	OK
Kapasitas Geser	OK
Tulangan Longitudinal	
Longitudinal	8 D22
Tulangan Transversal/Sengkang Tumpuan	
Sumbu Lemah	3D13-100
Sumbu Kuat	3D13-100
Tulangan Transversal/Sengkang Lapangan	
Sumbu Lemah	2D13-125
Sumbu Kuat	2D13-125

LAMPIRAN V

Perhitungan Tulangan Balok

LAMPIRAN 5

Parameter	Pasal Referensi	Persamaan	Satuan	Nilai
	SNI 2847:2019			
Properti Material dan Penampang				
Panjang Balok, L		Input	mm	5000
Lebar Balok, b		Input	mm	300
Tinggi Balok, h		Input	mm	500
Panjang Tumpuan	18.6.4.1	$2 * h$	mm	1000
Diameter Tulangan Longitudinal, d_b		Input	mm	16
Diameter Tulangan Pinggang, d_{bt}		Input	mm	
Diameter Tulangan Sengkang, d_s		Input	mm	10
Selimit Bersih, c_c		Input	mm	40
Tinggi Efektif Balok, d		$h - c_c - d_s - d_b/2$	mm	442
Kuat Tekan Beton, f_c'		Input	MPa	25
Kuat Leleh Tul. Longitudinal, f_y		Input	MPa	420
Kuat Leleh Tul. Transversal, f_{yv}		Input	MPa	280
β_1	Tabel 22.2.2.4.3	$0.65 \leq 0.85 - 0.05 * (f_c' - 28) / 7 \leq 0.85$		0,8500
Panjang Kolom, c_1		Input (Sisi tegak lurus lebar balok)	mm	400
Lebar Kolom, c_2		Input (Sisi yang ditempel balok/sejajar lebar balok)	mm	400
L_n		$L - c_1$	mm	4600
λ		Asumsi tidak menggunakan beton ringan		1
Gaya Dalam				
$M_{u,tumpuan (-)}$		Input	kN-m	-56
$M_{u,tumpuan (+)}$		Input	kN-m	20
$M_{u,lapangan (-)}$		Input	kN-m	-16
$M_{u,lapangan (+)}$		Input	kN-m	23
P_u		Input	kN	9
Syarat Gaya dan Geometri				
Syarat Gaya Aksial	Tidak dipersyaratkan. Baca R18.6.1 dan 18.6.4.7	$P_u \leq 0.1 A_g f_c' ?$		OK
Syarat Tinggi Efektif	18.6.2.1	$L_n \geq 4d ?$		OK
Syarat Lebar 1	18.6.2.1	$b \geq \min(0.3h, 250 \text{ mm}) ?$		OK
Syarat Lebar 2	18.6.2.1	$b \leq c_2 + 2 * \min(c_2, 0.75 c_1) ?$		OK
Penulangan Lentur				
Tumpuan Negatif				
Jumlah Tulangan Negatif Tumpuan, n		Input		4
d_b			mm	16
Jarak Bersih Antar Tulangan		$(b - 2 c_c - 2 d_s - n * d_b) / (n - 1)$	mm	45,333
Cek Jarak Bersih	25.2.1	Jarak Bersih $\geq d_b$ dan 25 mm?		IYA
Jumlah Lapis				1
As Pasang		$n * \pi/4 * d_b^2$	mm ²	804,248
$AS_{min,1}$	9.6.1.2	$(f_c')^{0.5} / (4 * f_y) * b * d$	mm ²	394,643
$AS_{min,2}$	9.6.1.2	$1.4 / (4 * f_y) * b * d$	mm ²	442,000
Cek As min		As Pasang \geq As min ?		OK
ρ		$As / (b * d)$		0,61%
$\rho_{max,1}$	Tidak ada	$0.75 \rho_b = 0.75 * 0.85 * \beta_1 * f_c' / f_y * (600 / (600 + f_y))$		1,90%
$\rho_{max,2}$	18.6.3.1	2,5%		2,50%
Cek As max		$\rho \leq \rho_{max} ?$		OK
a	22.2.2.4.1	$As * f_y / (0.85 * f_c' * b)$	mm	52,986
M_n	22.2.2.4.1	$As * f_y * (d - a/2)$	kN-m	140,352
c	22.2.2.4.1	a / β_1	mm	62,336
ϵ_s	22.2.1.2, 22.2.2.1	$(d - c) / c * 0.003$		0,018
ϕ	Tabel 21.2.2	$0.65 \leq 0.65 + (\epsilon_s - 0.002) / 0.003 * 0.25 \leq 0.9$		0,900
ϕM_n		$\phi * M_n$	kN-m	126,317
$M_{u,tumpuan (-)}$			kN-m	56,000

Cek Kapasitas		$\phi M_n > M_u ?$		OK
As Perlu		$M_u / [f_y * (d - a/2)]$	mm ²	320,893
Tumpuan Positif				
n		Input		3
d _b			mm	16
Jarak Bersih Antar Tulangan		$(b - 2 c_c - 2 d_s - n * d_b) / (n - 1)$	mm	76,000
Cek Jarak Bersih	25.2.1	Jarak Bersih $\geq d_b$ dan 25 mm?		IYA
Jumlah Lapis				1
As Pasang		$n * \pi / 4 * d_b^2$	mm ²	603,186
As _{min,1}	9.6.1.2	$(f_c')^{0.5} / (4 * f_y) * b * d$	mm ²	394,643
As _{min,2}	9.6.1.2	$1.4 / (4 * f_y) * b * d$	mm ²	442,000
As _{min,4}	18.6.3.2	0.5 * As Tumpuan Negatif	mm ²	402,124
Cek As min		As Pasang \geq As min ?		OK
ρ		As / (b * d)		0,45%
$\rho_{max,1}$		$0.75 \rho_b = 0.75 * 0.85 * \beta_1 * f_c' / f_y * (600 / (600 + f_y))$		1,90%
$\rho_{max,2}$	18.6.3.1	2,5%		2,50%
Cek As max		$\rho \leq \rho_{max} ?$		OK
a	22.2.2.4.1	As * f _y / (0.85 * f _c ' * b)	mm	39,739
M _n	22.2.2.4.1	As * f _y * (d - a/2)	kN-m	106,942
c	22.2.2.4.1	a / β_1	mm	46,752
ϵ_s	22.2.1.2, 22.2.2.1	(d - c) / c * 0.003		0,025
ϕ	Tabel 21.2.2	$0.65 \leq 0.65 + (\epsilon_s - 0.002) / 0.003 * 0.25 \leq 0.9$		0,900
ϕM_n		$\phi * M_n$	kN-m	96,248
M _u			kN-m	20,000
Cek $\phi M_n > M_u$		$\phi M_n > M_u ?$		OK
As Perlu		$M_u / [f_y * (d - a/2)]$	mm ²	112,807
Lapangan Negatif				
n		Input		3
d _b			mm	16
Jarak Bersih Antar Tulangan		$(b - 2 c_c - 2 d_s - n * d_b) / (n - 1)$	mm	76,000
Cek Jarak Bersih	25.2.1	Jarak Bersih $\geq d_b$ dan 25 mm?		IYA
Jumlah Lapis				1
As Pasang		$n * \pi / 4 * d_b^2$	mm ²	603,186
As _{min,1}	9.6.1.2	$(f_c')^{0.5} / (4 * f_y) * b * d$	mm ²	394,643
As _{min,2}	9.6.1.2	$1.4 / (4 * f_y) * b * d$	mm ²	442,000
As _{min,4}	18.6.3.2	0.25 * As Tumpuan Negatif	mm ²	201,062
Cek As min		As Pasang \geq As min ?		OK
ρ		As / (b * d)		0,45%
$\rho_{max,1}$		$0.75 \rho_b = 0.75 * 0.85 * \beta_1 * f_c' / f_y * (600 / (600 + f_y))$		1,90%
$\rho_{max,2}$	18.6.3.1	2,5%		2,50%
Cek As max		$\rho \leq \rho_{max} ?$		OK
a	22.2.2.4.1	As * f _y / (0.85 * f _c ' * b)	mm	39,739
M _n	22.2.2.4.1	As * f _y * (d - a/2)	kN-m	106,942
c	22.2.2.4.1	a / β_1	mm	46,752
ϵ_s	22.2.1.2, 22.2.2.1	(d - c) / c * 0.003		0,025
ϕ	Tabel 21.2.2	$0.65 \leq 0.65 + (\epsilon_s - 0.002) / 0.003 * 0.25 \leq 0.9$		0,900
ϕM_n		$\phi * M_n$	kN-m	96,248
M _u			kN-m	16,000
Cek $\phi M_n > M_u$		$\phi M_n > M_u ?$		OK
As Perlu		$M_u / [f_y * (d - a/2)]$	mm ²	90,245
Lapangan Positif				
n		Input		3
d _b			mm	16
Jarak Bersih Antar Tulangan		$(b - 2 c_c - 2 d_s - n * d_b) / (n - 1)$	mm	76,000
Cek Jarak Bersih	25.2.1	Jarak Bersih $\geq d_b$ dan 25 mm?		IYA
Jumlah Lapis				1
As Pasang		$n * \pi / 4 * d_b^2$	mm ²	603,186

Desain Lentur

$As_{min,1}$	9.6.1.2	$(f_c')^{0.5} / (4 * f_y) * b * d$	mm ²	394,643
$As_{min,2}$	9.6.1.2	$1.4 / (4 * f_y) * b * d$	mm ²	442,000
$As_{min,4}$	18.6.3.2	0.25 * As Tumpuan Negatif	mm ²	201,062
Cek As_{min}		$As_{Pasang} \geq As_{min} ?$		OK
ρ		$As / (b * d)$		0,45%
$\rho_{max,1}$		$0.75 \rho_b = 0.75 * 0.85 * \beta_1 * f_c' / f_y * (600 / (600 + f_y))$		1,90%
$\rho_{max,2}$	18.6.3.1	2,5%		2,50%
Cek As_{max}		$\rho \leq \rho_{max} ?$		OK
a	22.2.2.4.1	$As * f_y / (0.85 * f_c' * b)$	mm	39,739
M_n	22.2.2.4.1	$As * f_y * (d - a/2)$	kN-m	106,942
c	22.2.2.4.1	a / β_1	mm	46,752
ϵ_s	22.2.1.2, 22.2.2.1	$(d - c) / c * 0.003$		0,025
ϕ	Tabel 21.2.2	$0.65 \leq 0.65 + (\epsilon_s - 0.002) / 0.003 * 0.25 \leq 0.9$		0,900
ϕM_n		$\phi * M_n$	kN-m	96,248
M_u			kN-m	23,000
Cek $\phi M_n > M_u$		$\phi M_n > M_u ?$		OK
As Perlu		$M_u / [f_y * (d - a/2)]$	mm ²	129,727

Parameter	Pasal Referensi		Persamaan	Satuan	Nilai
	SNI 2847:2013	SNI 2847:2019			
Properti Material dan Penampang					
Panjang Balok, L			Dari Sheet Desain Lentur	mm	5000
Lebar Balok, b			Dari Sheet Desain Lentur	mm	300
Tinggi Balok, h			Dari Sheet Desain Lentur	mm	500
Panjang Tumpuan	21.5.3.1	18.6.4.1	Dari Sheet Desain Lentur	mm	1000
Diameter Tulangan Longitudinal, d_b			Dari Sheet Desain Lentur	mm	16
Diameter Tulangan Pinggang, d_{bt}			Dari Sheet Desain Lentur	mm	0
Diameter Tulangan Sengkang, d_s			Dari Sheet Desain Lentur	mm	10
Selimit Bersih, c_c			Dari Sheet Desain Lentur	mm	40
Tinggi Efektif Balok, d			Dari Sheet Desain Lentur	mm	442
Kuat Tekan Beton, f'_c			Dari Sheet Desain Lentur	MPa	25
Kuat Leleh Tul. Longitudinal, f_y			Dari Sheet Desain Lentur	MPa	420
Kuat Leleh Tul. Transversal, f_{yv}			Dari Sheet Desain Lentur	MPa	280
β_1	10.2.7.3	Tabel 22.2.2.4.3	Dari Sheet Desain Lentur		0,8500
Panjang Kolom, c_1			Dari Sheet Desain Lentur	mm	400
Lebar Kolom, c_2			Dari Sheet Desain Lentur	mm	400
L_n			Dari Sheet Desain Lentur	mm	4600
Gaya Dalam					
$V_{u,tumpuan}$			Input	kN	48
$V_{u,lapangan}$			Input	kN	34
Tumpuan					
Gaya Desain					
$V_g,tumpuan$	S21.5.4	R18.6.5	Input [Kombinasi 1.2 D + L]	kN	38
A_s^+ Tumpuan			Dari Sheet Desain Lentur	mm ²	603,186
A_s^- Tumpuan			Dari Sheet Desain Lentur	mm ²	804,248
a_{pr}^+			1.25 a (tumpuan positif)	mm	49,674
a_{pr}^-			1.25 a (tumpuan negatif)	mm	66,232
M_{pr}^+	S21.5.4	R18.6.5	$A_s^+ * (1.25 f_y) * (d - a_{pr}^+ / 2)$	N mm	132104047
M_{pr}^-	S21.5.4	R18.6.5	$A_s^- * (1.25 f_y) * (d - a_{pr}^- / 2)$	N mm	172643078
V_{sway} atau V_{pr}	21.5.4.1	18.6.5.1	$(M_{pr}^+ + M_{pr}^-) / L_n$	N	66249
V_e	21.5.4.1	18.6.5.1	$V_g + V_{pr}$	N	104249
Tahanan Geser Beton					
V_{pr}				N	66249
$1/2 V_e$				N	52125
P_u				N	9000
$A_g f'_c / 20$				N	187500
V_c Diperhitungkan?	21.5.4.2	18.6.5.2	$V_c = 0$ jika $V_{pr} \geq 1/2 V_e$ dan $P_u < A_g f'_c / 20$		Tidak
V_c				N	0
Penulangan Geser					
Jumlah Kaki			Input		2
A_v			$n * \pi / 4 * d_s^2$	mm ²	157,080
Spasi			Input	mm	90
Spasi Max 1	21.5.3.2	18.6.4.4	$d / 4$	mm	110,50
Spasi Max 2	21.5.3.2	18.6.4.4	$6 d_b$	mm	96,00
Spasi Max 3	21.5.3.2	18.6.4.4	150 mm	mm	150,00
Cek Spasi					OK
V_s	11.4.7.2	22.5.10.5.3	$A_v * f_{yv} * d / s$	N	216002
Batas V_s	11.4.7.9	22.5.1.2	$0.66 * (f'_c)^{0.5} * b * d$	N	437580
ϕ	9.3.2.3	12.5.3.2, 21.2.4			0,75
V_n			$V_c + V_s$	N	216002
V_u				N	104249
$\phi V_n / V_u$					1,554
Cek Kapasitas			$\phi V_n / V_u \geq 1 ?$		OK
Lapangan					
Penulangan Geser					
Jumlah Kaki			Input		2
A_v			$n * \pi / 4 * d_s^2$	mm ²	157,080
Spasi			Input	mm	220
Spasi Max	21.5.3.4	18.6.4.6	$d / 2$	mm	221,00
Cek Spasi					OK
V_s	11.4.7.2	22.5.10.5.3	$A_v * f_{yv} * d / s$	N	88364

Batas V_s	11.4.7.9	22.5.1.2	$0.66 * (f_c')^{0.5} * b * d$	N	437580
V_c	11.2.1.1	22.5.5.1	$0.17 * (f_c')^{0.5} * b * d$	N	112710
ϕ	9.3.2.3	12.5.3.2, 21.2.4			0,75
V_n			$V_c + V_s$		201074
V_u				N	34000
$\phi V_n / V_u$					4,435
Cek Kapasitas			$\phi V_n / V_u \geq 1 ?$		OK

Parameter	Pasal Referensi		Persamaan	Satuan	Nilai
	SNI 2847:2013	SNI 2847:2019			
Properti Material dan Penampang					
Panjang Balok, L			Dari Sheet Desain Lentur	mm	5000
Lebar Balok, b			Dari Sheet Desain Lentur	mm	300
Tinggi Balok, h			Dari Sheet Desain Lentur	mm	500
Panjang Tumpuan	21.5.3.1	18.6.4.1	Dari Sheet Desain Lentur	mm	1000
Diameter Tulangan Longitudinal, d_b			Dari Sheet Desain Lentur	mm	16
Diameter Tulangan Pinggang, d_{bt}			Dari Sheet Desain Lentur	mm	0
Diameter Tulangan Sengkang, d_s			Dari Sheet Desain Lentur	mm	10
Selimit Bersih, c_c			Dari Sheet Desain Lentur	mm	40
Tinggi Efektif Balok, d			Dari Sheet Desain Lentur	mm	442
Kuat Tekan Beton, f'_c			Dari Sheet Desain Lentur	MPa	25
Kuat Leleh Tul. Longitudinal, f_y			Dari Sheet Desain Lentur	MPa	420
Kuat Leleh Tul. Transversal, f_{yv}			Dari Sheet Desain Lentur	MPa	280
β_1	10.2.7.3	Tabel 22.2.2.4.3	Dari Sheet Desain Lentur		0,8500
Panjang Kolom, c_1			Dari Sheet Desain Lentur	mm	400
Lebar Kolom, c_2			Dari Sheet Desain Lentur	mm	400
L_n			Dari Sheet Desain Lentur	mm	4600
Parameter Geometri Penampang untuk Perhitungan Torsi					
A_{cp}			$b * h$	mm ²	150000
P_{cp}			$2 * (b + h)$	mm	1600
x_o			$b - 2c_c - d_s$	mm	210
y_o			$h - 2c_c - d_s$	mm	410
A_{oh}		R22.7.6.1.1	$x_o * y_o$	mm ²	86100
A_o	11.5.3.6	22.7.6.1.1	$0.85 A_{oh}$	mm ²	73185
P_h		22.7.6.1	$2 * (x_o + y_o)$	mm	1240
Gaya Dalam					
T_u			Input	kN m	0,5
Pengecekan Kebutuhan Tulangan Torsi					
T_{cr}			$0.33 * (f'_c)^{0.5} * A_{cp}^2 / P_{cp}$	N mm	23203125
ϕ	9.3.2.3	Tabel 21.2.1			0,75
$\phi T_{cr} / 4$				N mm	4350586
Perlu Tulangan Torsi?	11.5.1	Tabel 22.7.4.1	$T_u > \phi T_{cr} / 4 ?$		Tidak

Kesimpulan	
Syarat Gaya dan Geometri	OK
Kapasitas Lentur	OK
Kapasitas Geser	OK
Kapasitas Torsi	OK
Tulangan Longitudinal	
Longitudinal Tumpuan Atas	4 D16
Longitudinal Tumpuan Bawah	3 D16
Longitudinal Lapangan Atas	3 D16
Longitudinal Lapangan Bawah	3 D16
Tulangan Transversal/Sengkang	
Sengkang Tumpuan	2D10-90
Sengkang Lapangan	2D10-220

LAMPIRAN VI

Perhitungan Tulangan Pelat

LAMPIRAN 6

PERHITUNGAN PLAT LANTAI (SLAB) PLAT LENTUR DUA ARAH (TWO WAY SLAB)

A. DATA BAHAN STRUKTUR

Kuat tekan beton,

$f'_c =$	25	MPa
$f_y =$	400	MPa

Tegangan leleh baja untuk tulangan lentur,

B. DATA PLAT LANTAI

Panjang bentang plat arah x,

$L_x =$	4,50	m
---------	------	---

Panjang bentang plat arah y,

$L_y =$	5,00	m
---------	------	---

Tebal plat lantai,

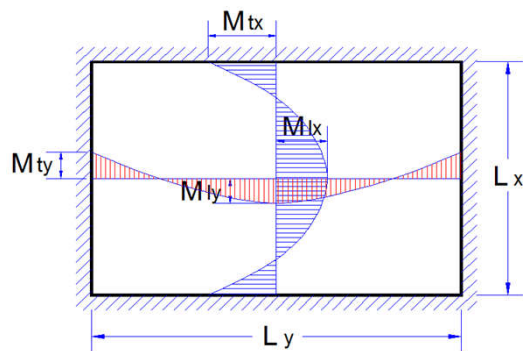
$h =$	170	mm
-------	-----	----

Koefisien momen plat untuk :

$$L_y / L_x = 1,11$$

KOEFISIEN MOMEN PLAT

DUA ARAH karena $L_y/L_x < 2$



Lapangan x

$C_{lx} =$	25
------------	----

Lapangan y

$C_{ly} =$	21
------------	----

Tumpuan x

$C_{tx} =$	59
------------	----

Tumpuan y

$C_{ty} =$	54
------------	----

Tabel 2 dengan 4 sisi terjepit

Diameter tulangan yang digunakan,

$\varnothing =$	10	mm
-----------------	----	----

Tebal bersih selimut beton,

$t_s =$	20	mm
---------	----	----

C. BEBAN PLAT LANTAI

1. BEBAN MATI (DEAD LOAD)

No	Jenis Beban Mati	Berat satuan	Tebal (m)&(cm)	Q (kN/m ²)
1	Berat sendiri plat lantai (kN/m ³)	24,0	0,17	4,080
2	Berat finishing lantai (kN/m ³)	0,235	1	0,235
3	Berat plafon dan rangka (kN/m ²)	0,176	-	0,176
4	Berat instalasi ME (kN/m ²)	0,205	5	1,025
Total beban mati,			$Q_D =$	5,516

2. BEBAN HIDUP (LIVE LOAD)

Beban hidup pada lantai bangunan =	240	kg/m ²
→ Q _L =	2,4	kN/m ²

3. BEBAN RENCANA TERFAKTOR

Beban rencana terfaktor, $Q_u = 1.2 * Q_D + 1.6 * Q_L = 10,459$ kN/m²

4. MOMEN PLAT AKIBAT BEBAN TERFAKTOR

Momen lapangan arah x,	$M_{ulx} = C_{lx} * 0.001 * Q_u * L_x^2 =$	5,295	kNm/m
Momen lapangan arah y,	$M_{uly} = C_{ly} * 0.001 * Q_u * L_x^2 =$	4,448	kNm/m
Momen tumpuan arah x,	$M_{utx} = C_{tx} * 0.001 * Q_u * L_x^2 =$	12,496	kNm/m
Momen tumpuan arah y,	$M_{uty} = C_{ty} * 0.001 * Q_u * L_x^2 =$	11,437	kNm/m
Momen rencana (maksimum) plat,	→ M _u =	12,496	kNm/m

D. PENULANGAN PLAT

Untuk : f _c ' ≤ 30 MPa,	β ₁ =	0,85
Untuk : f _c ' > 30 MPa,	β ₁ = 0.85 - 0.05 * (f _c ' - 30) / 7 =	-
Faktor bentuk distribusi tegangan beton,	→ β ₁ =	0,85

Rasio tulangan pada kondisi *balance*,

$$\rho_b = \beta_1 * 0.85 * f_c' / f_y * 600 / (600 + f_y) = 0,0271$$

Faktor tahanan momen maksimum,

$$R_{max} = 0.75 * \rho_b * f_y * [1 - \frac{1}{2} * 0.75 * \rho_b * f_y / (0.85 * f_c')] = 6,5736$$

Faktor reduksi kekuatan lentur,	φ =	0,80
Jarak tulangan terhadap sisi luar beton,	d _s = t _s + Ø / 2 =	25,0 mm
Tebal efektif plat lantai,	d = h - d _s =	145,0 mm
Ditinjau plat lantai selebar 1 m,	→ b =	1000 mm
Momen nominal rencana,	M _n = M _u / φ =	15,620 kNm
Faktor tahanan momen,	R _n = M _n * 10 ⁻⁶ / (b * d ²) =	0,74293
	R _n < R _{max} →	(OK)

Rasio tulangan yang diperlukan :

$$\rho = 0.85 * f_c' / f_y * [1 - \sqrt{1 - 2 * R_n / (0.85 * f_c')}] = 0,0019$$

Rasio tulangan minimum,	ρ _{min} =	0,0020
Rasio tulangan yang digunakan,	→ ρ =	0,0020
Luas tulangan yang diperlukan,	A _s = ρ * b * d =	290 mm ²
Jarak tulangan yang diperlukan,	s = π / 4 * Ø ² * b / A _s =	271 mm
Jarak tulangan maksimum,	s _{max} = 2 * h =	340 mm
Jarak tulangan maksimum,	s _{max} =	200 mm
Jarak sengkang yang harus digunakan,	s =	200 mm

Diambil jarak sengkang :

Digunakan tulangan,

Luas tulangan terpakai,

	→	$s =$	200	mm
$\emptyset 10$	-		200	
$A_s = \pi / 4 * \emptyset^2 * b / s =$			393	mm ²

E. KONTROL LENDUTAN PLAT

		Mpa = N/mm ²	
Modulus elastis beton,	$E_c = 4700 \cdot \sqrt{f_c'}$	23500	MPa
Modulus elastis baja tulangan,	E_s	2,10E+05	MPa
Beban merata (tak terfaktor) padaplat,	$Q = Q_D + Q_L$	7,916	N/mm
Panjang bentang plat,	L_x	4500	mm
Batas lendutan maksimum yang diijinkan,	$L_x / 240$	18,750	mm
Momen inersia brutto penampang plat,	$I_g = 1/12 \cdot b \cdot h^3$	409416667	mm ³
Modulus keruntuhan lentur beton,	$f_r = 0.7 \cdot \sqrt{f_c'}$	3,5	MPa
Nilai perbandingan modulus elastis,	$n = E_s / E_c$	8,94	
Jarak garis netral terhadap sisi atas beton,	$c = n \cdot A_s / b$	3,509	mm

Momen inersia penampang retak yang ditransformasikan ke beton dihitung sbb. :

$$I_{cr} = 1/3 \cdot b \cdot c^3 + n \cdot A_s \cdot (d - c)^2 = 70267840 \text{ mm}^4$$

$$y_t = h / 2 = 85 \text{ mm}$$

Momen retak : $M_{cr} = f_r \cdot I_g / y_t = 16858333 \text{ Nmm}$

Momen maksimum akibat beban (tanpa faktor beban) :

$$M_a = 1 / 8 \cdot Q \cdot L_x^2 = 20037375 \text{ Nmm}$$

Inersia efektif untuk perhitungan lendutan,

$$I_e = (M_{cr} / M_a)^3 \cdot I_g + [1 - (M_{cr} / M_a)^3] \cdot I_{cr} = 272249413 \text{ mm}^4$$

Lendutan elastis seketika akibat beban mati dan beban hidup :

$$\delta_e = 5 / 384 \cdot Q \cdot L_x^4 / (E_c \cdot I_e) = 6,606 \text{ mm}$$

Rasio tulangan slab lantai :

$$\rho = A_s / (b \cdot d) = 0,0027$$

Faktor ketergantungan waktu untuk beban mati (jangka waktu > 5 tahun), nilai :

$$\zeta = 2,0$$

$$\lambda = \zeta / (1 + 50 \cdot \rho) = 1,7615$$

Lendutan jangka panjang akibat rangkai dan susut :

$$\delta_g = \lambda \cdot 5 / 384 \cdot Q \cdot L_x^4 / (E_c \cdot I_e) = 11,637 \text{ mm}$$

Lendutan total,

$$\delta_{tot} = \delta_e + \delta_g = 18,243 \text{ mm}$$

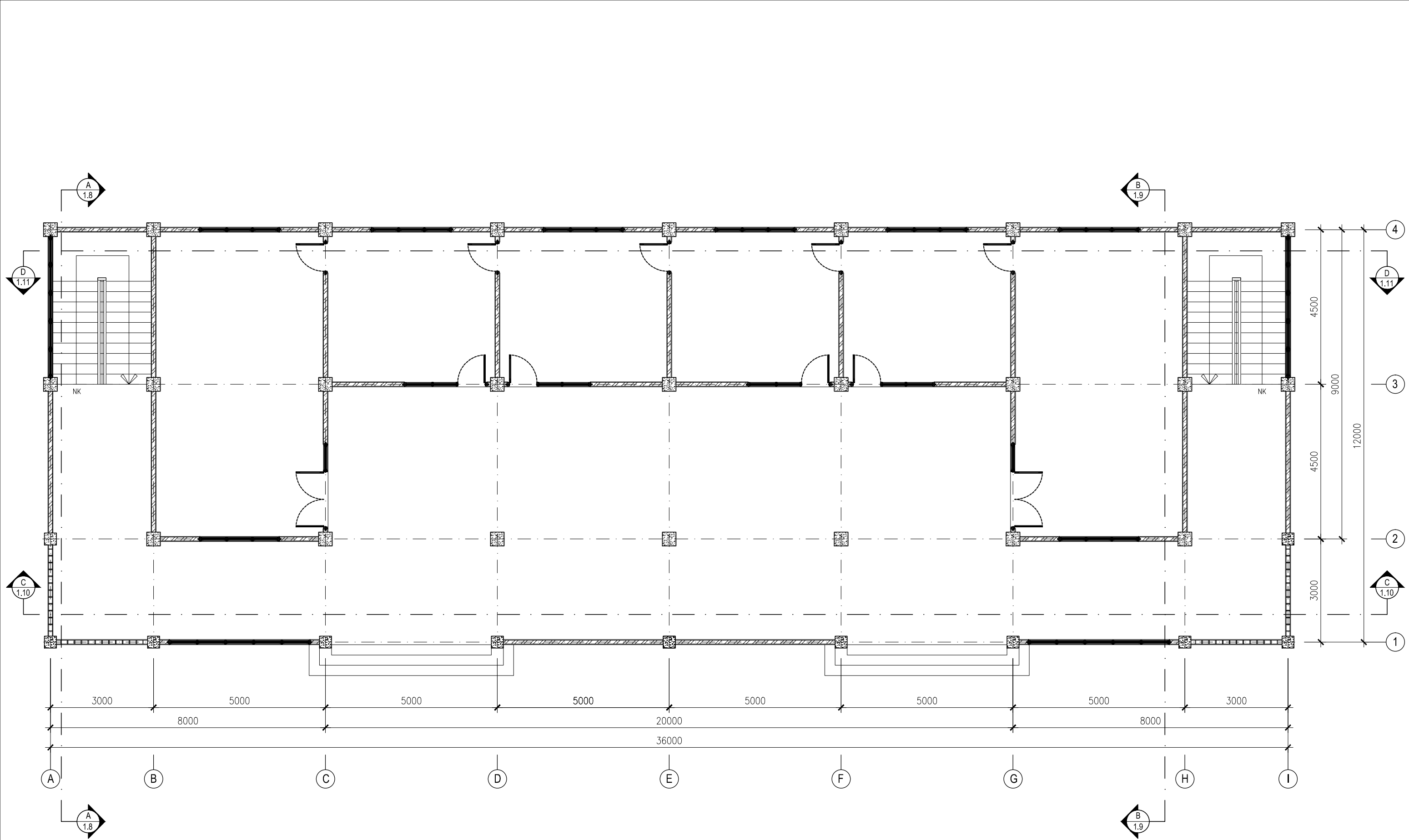
Syarat :

$$\delta_{tot} \leq L_x / 240$$

$$18,243 < 18,750 \rightarrow \text{AMAN (OK)}$$

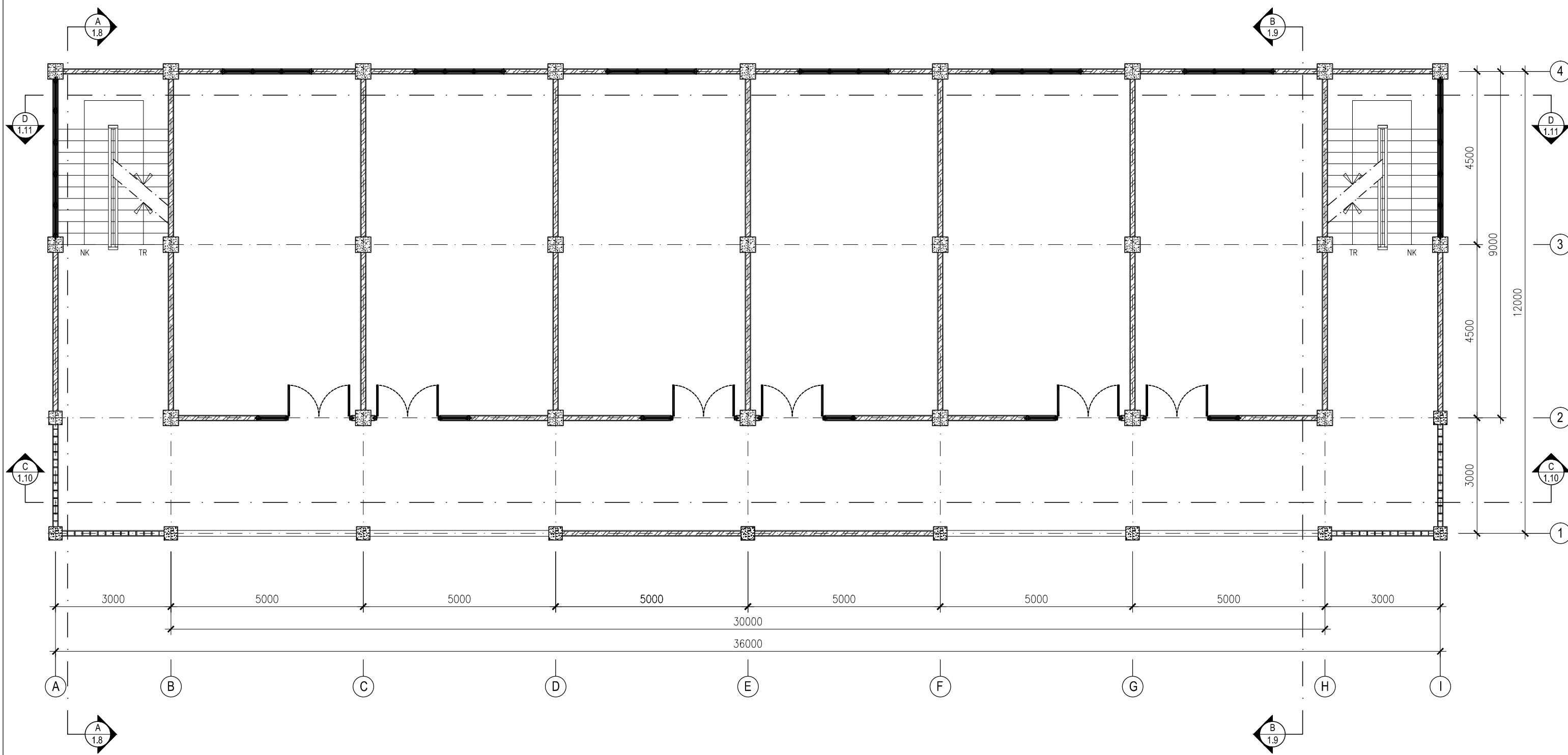
LAMPIRAN VII

SHOP DRAWING (GAMBAR KERJA)



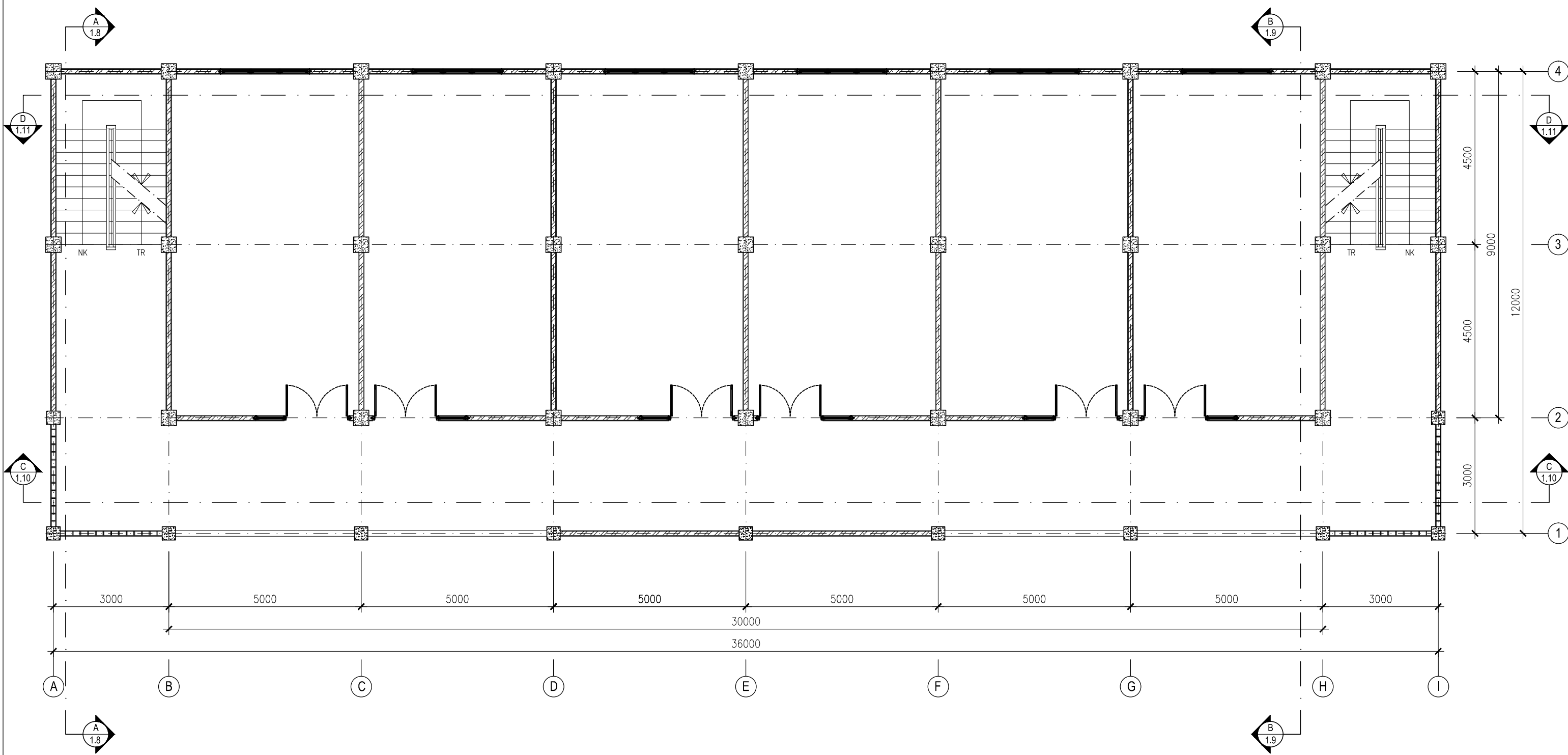
○
DENAH LT. 1 (ELV : ± 0.00)
 Skala 1 : 100

UNIVERSITAS PANCASAKTI TEGAL FAKULTAS TEKNIK PRODI TEKNIK SIPIL		Digambar <i>Drawn</i>	Akhmad Saefulloh
		Diperiksa <i>Checked</i>	
		Disetujui <i>Checked</i>	
		Skala <i>Scale</i>	1 : 100
Gambar <i>Drawing</i>	DENAH LANTAI 1	Nomor Gambar <i>Drawing number</i>	1. 1



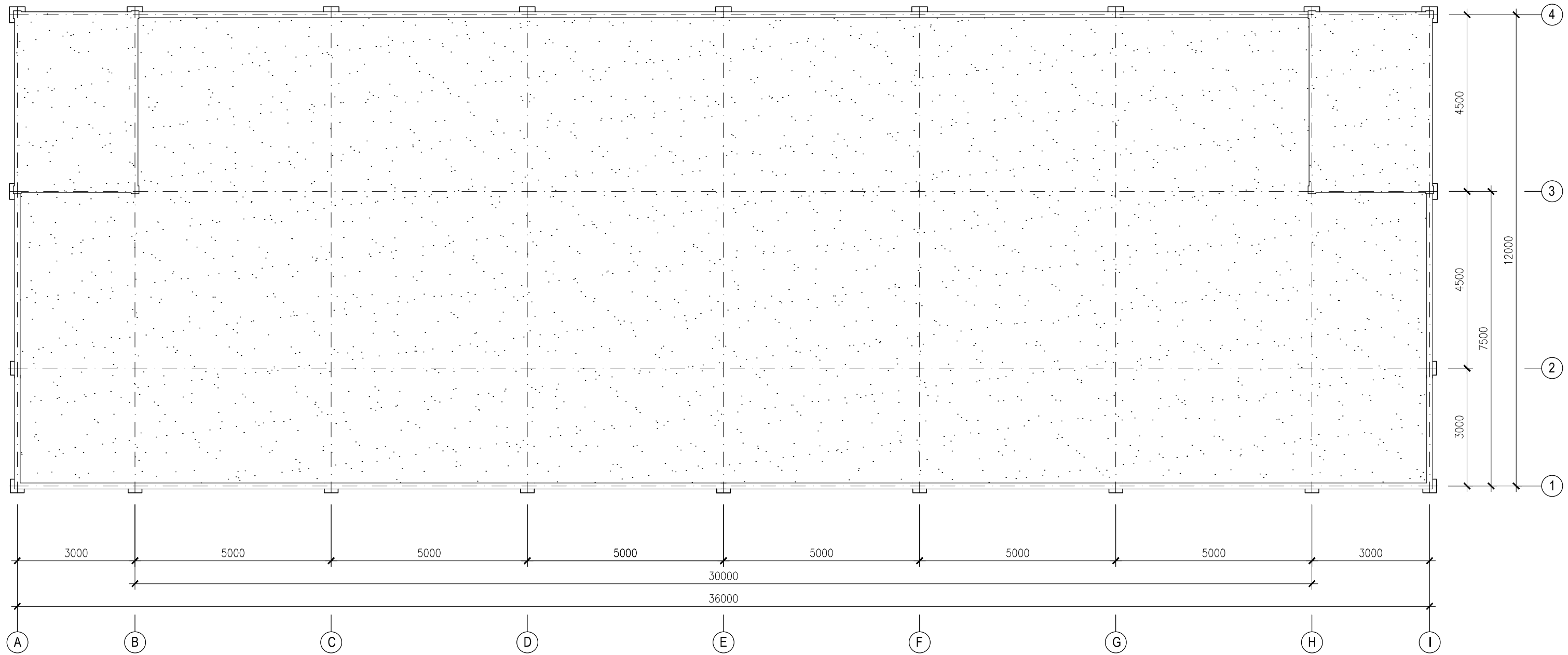
DENAH LT. 2 (ELV : ± 4.00)
 Skala 1 : 100

UNIVERSITAS PANCASAKTI TEGAL FAKULTAS TEKNIK PRODI TEKNIK SIPIL		Digambar <i>Drawn</i>	Akhrmad Saefulloh
		Diperiksa <i>Checked</i>	
DENAH LANTAI 2		Disetujui <i>Checked</i>	
		Skala <i>Scale</i>	1 : 100
Gambar <i>Drawing</i>		Nomor Gambar <i>Drawing number</i>	1. 2



○
DENAH LT. 3 (ELV : ± 7.50)
 Skala 1 : 100

UNIVERSITAS PANCASAKTI TEGAL FAKULTAS TEKNIK PRODI TEKNIK SIPIL		Digambar <i>Drawn</i>	Akhrmad Saefulloh
		Diperiksa <i>Checked</i>	
DENAH LANTAI 3		Disetujui <i>Checked</i>	
		Skala <i>Scale</i>	1 : 100
Gambar <i>Drawing</i>		Nomor Gambar <i>Drawing number</i>	1.3




DENAH LT. DAK (ELV : ± 11.00)
 Skala 1 : 100

UNIVERSITAS PANCASAKTI TEGAL FAKULTAS TEKNIK PRODI TEKNIK SIPIL		Digambar <i>Drawn</i>	Akhrmad Saefulloh
		Diperiksa <i>Checked</i>	
Gambar <i>Drawing</i>		Disetujui <i>Checked</i>	
		Skala <i>Scale</i>	1 : 100
DENAH LANTAI DAK		Nomor Gambar <i>Drawing number</i>	1.4



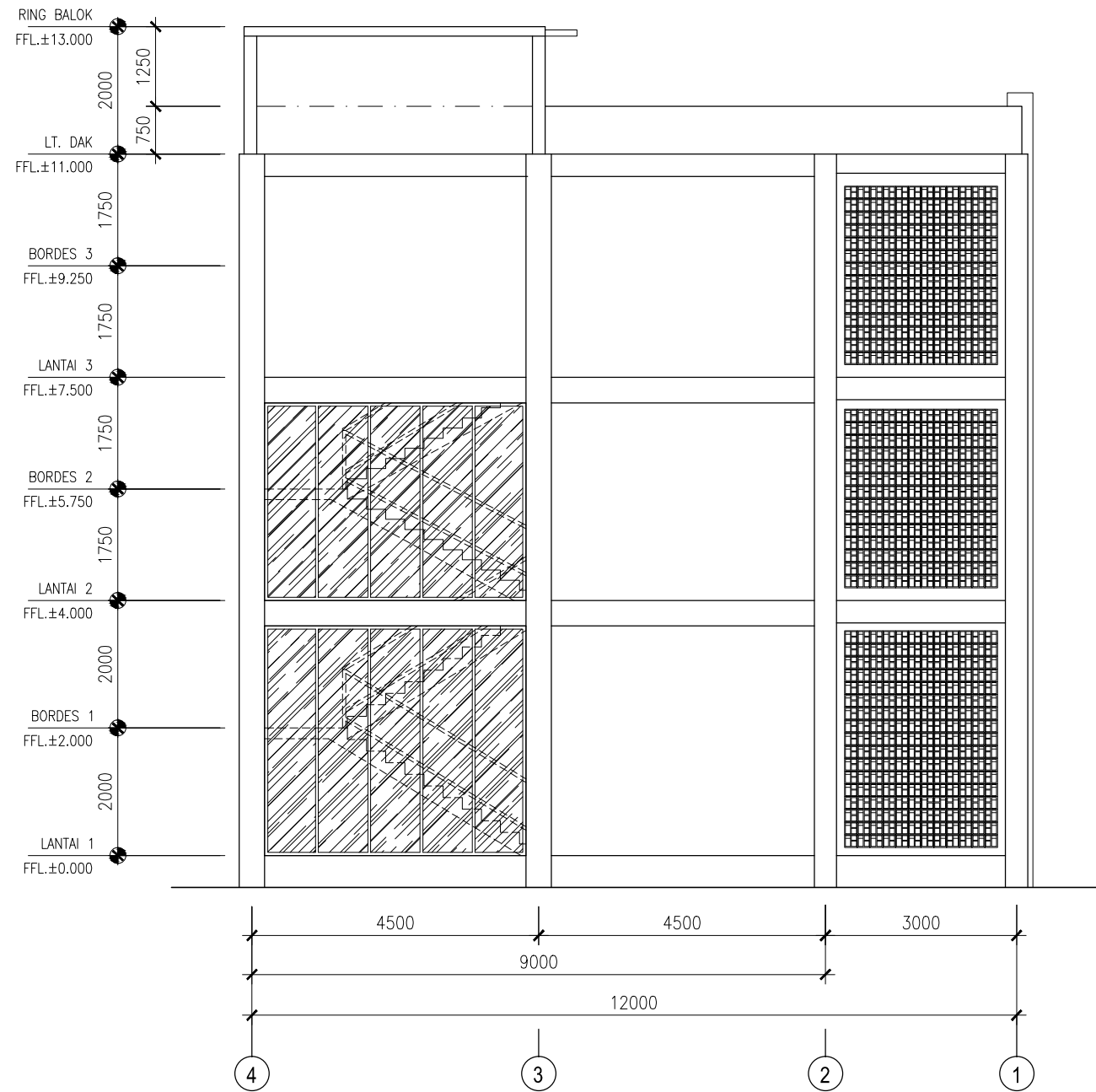
TAMPAK DEPAN
Skala 1 : 100

UNIVERSITAS PANCASAKTI TEGAL FAKULTAS TEKNIK PRODI TEKNIK SIPIL		Digambar Drawn	Akhrmad Saefulloh
		Diperiksa Checked	
		Disetujui Checked	
		Skala Scale	1 : 100
Gambar Drawing	TAMPAK DEPAN	Nomor Gambar Drawing number	1.5

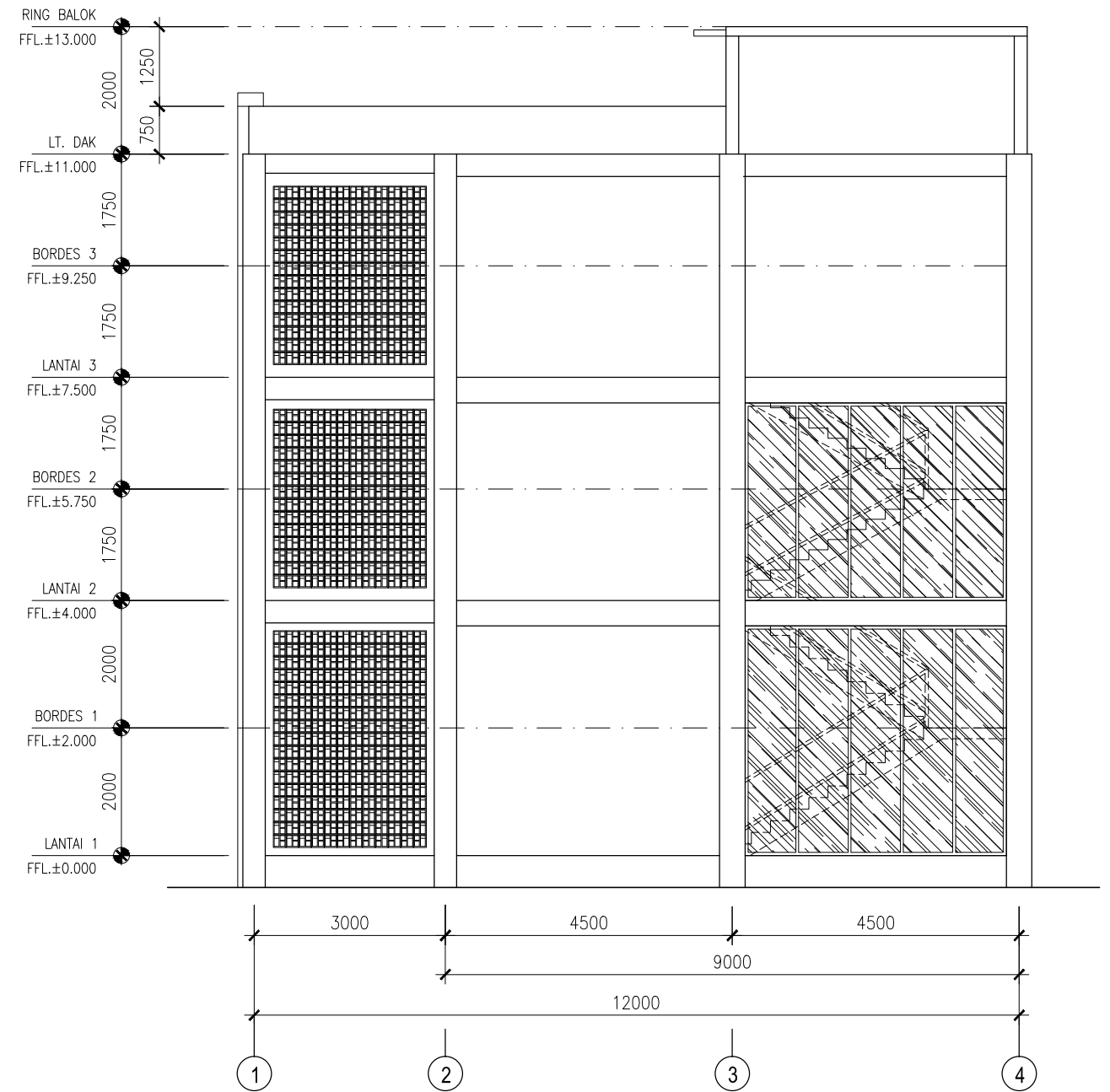



TAMPAK BELAKANG
 Skala 1 : 100

UNIVERSITAS PANCASAKTI TEGAL FAKULTAS TEKNIK PRODI TEKNIK SIPIL		Digambar Drawn	Akhmad Saefulloh
		Diperiksa Checked	
Gambar Drawing		Disetujui Checked	
		Skala Scale	1 : 100
Nomor Gambar Drawing number		1. 6	

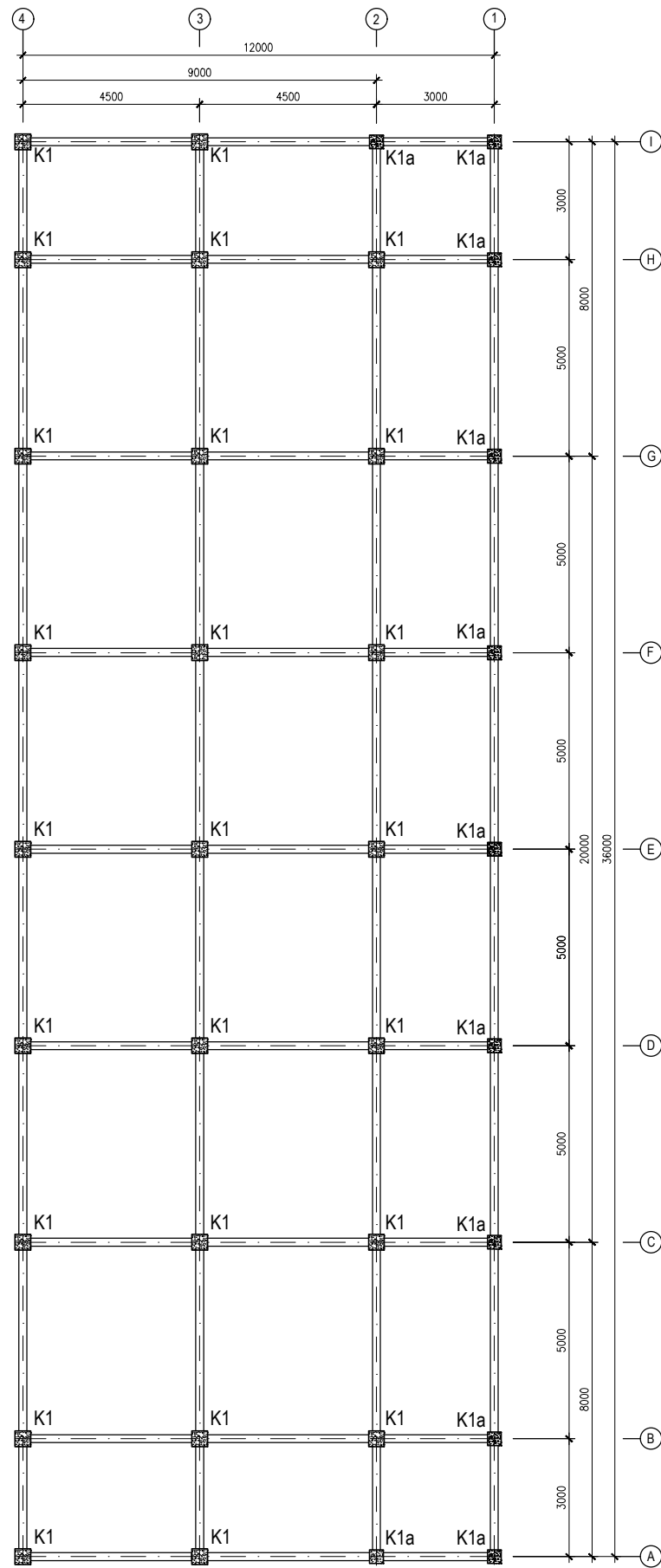


TAMPAK SAMPING KIRI
Skala 1 : 100

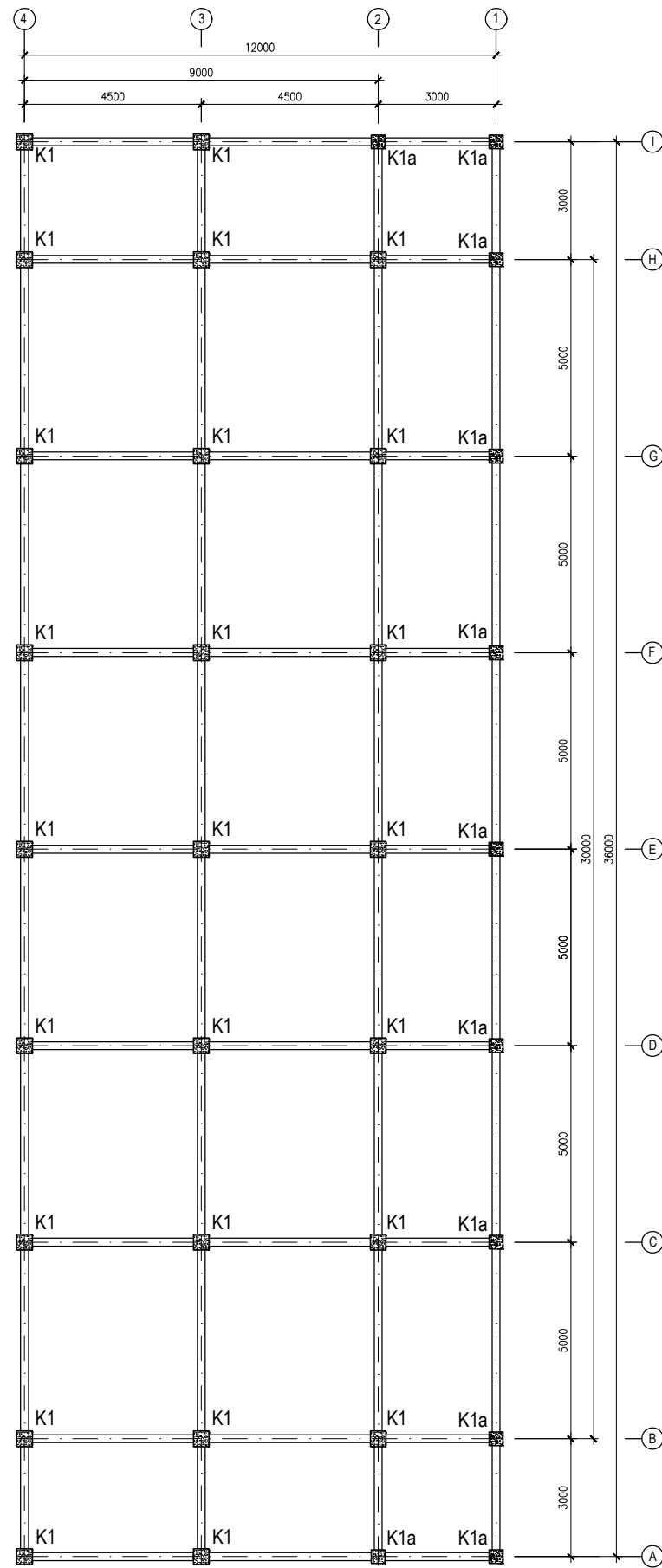


TAMPAK SAMPING KANAN
Skala 1 : 100

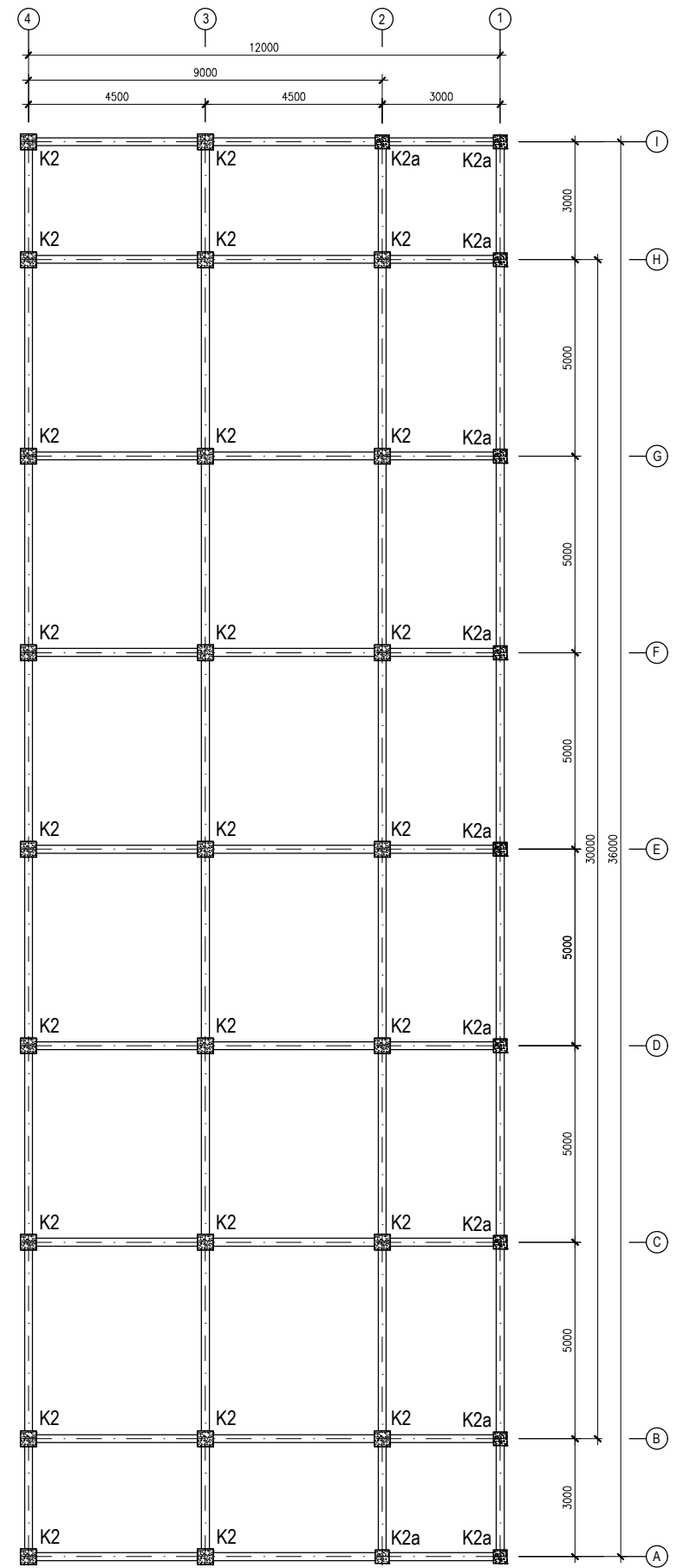
UNIVERSITAS PANCASAKTI TEGAL FAKULTAS TEKNIK PRODI TEKNIK SIPIL		Digambar <i>Drawn</i>	Akhrad Saefulloh
		Diperiksa <i>Checked</i>	
Gambar <i>Drawing</i>		Disetujui <i>Checked</i>	
		Skala <i>Scale</i>	1 : 100
TAMPAK SAMPING KIRI & KANAN		Nomor Gambar <i>Drawing number</i>	1.7



DENAH TITIK KOLOM LANTAI 1
Skala 1 : 200

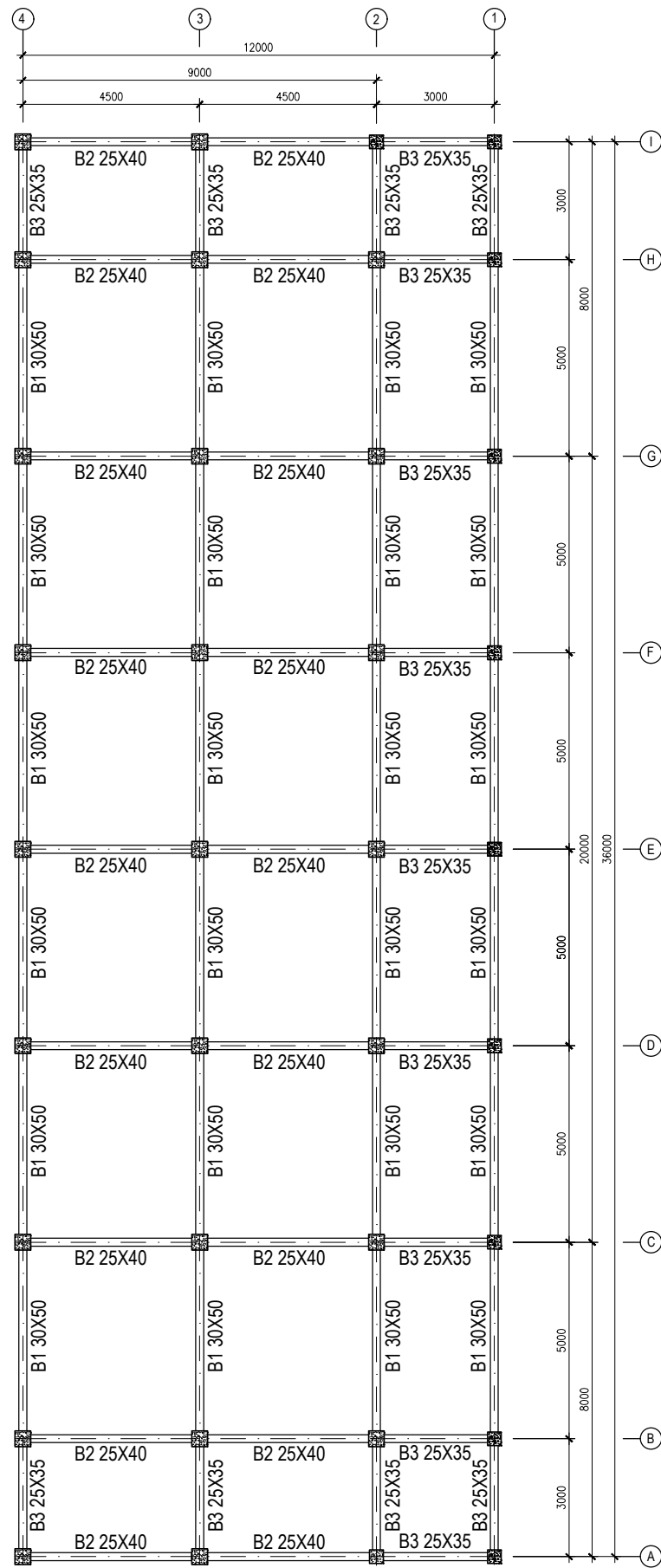


DENAH TITIK KOLOM LANTAI 2
Skala 1 : 200

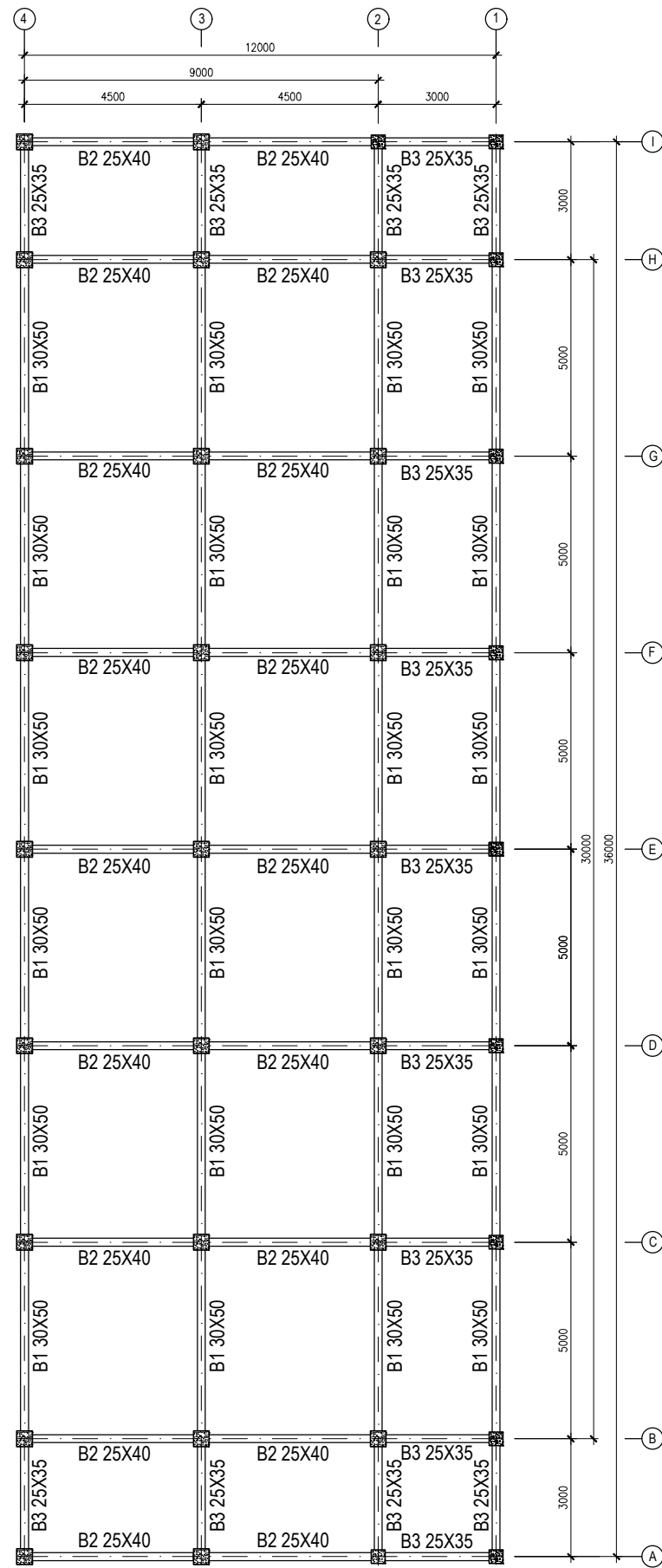


DENAH TITIK KOLOM LANTAI 3
Skala 1 : 200

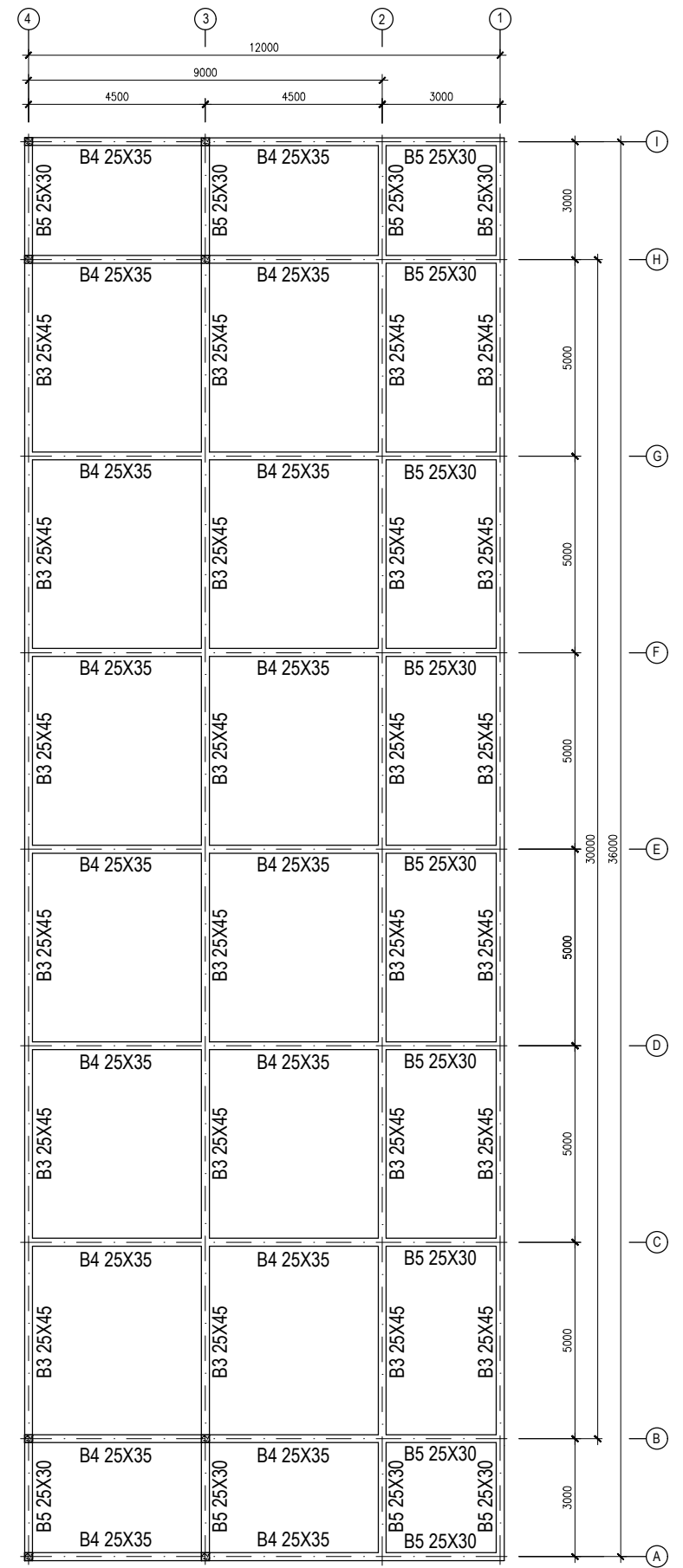
UNIVERSITAS PANCASAKTI TEGAL FAKULTAS TEKNIK PRODI TEKNIK SIPIL		Digambar Drawn	Akhmad Saefulloh
		Diperiksa Checked	
Gambar Drawing		Disetujui Checked	
		Skala Scale	1 : 200
DENAH TITIK KOLOM		Nomor Gambar Drawing number	1. 11



DENAH BALOK LANTAI 2
Skala 1 : 200



DENAH BALOK LANTAI 3
Skala 1 : 200



DENAH BALOK LANTAI DAK
Skala 1 : 200

BALOK	DIMENSI
B1	30X50 cm
B2	25X40 cm
B3	25X35 cm
B4	25X45 cm
B5	25X35 cm
B6	25X30 cm

UNIVERSITAS PANCASAKTI TEGAL FAKULTAS TEKNIK PRODI TEKNIK SIPIL	Digambar	Akhmad Saefulloh
	Drawn	
	Diperiksa	
	Checked	
Gambar	Skala	1 : 200
	Scale	
Drawing	Nomor Gambar	1. 12
	Drawing number	

TIPE KOLOM	K1		K1a		K2		K2a	
	Tumpuan	Lapangan	Tumpuan	Lapangan	Tumpuan	Lapangan	Tumpuan	Lapangan
UKURAN KOLOM	400X400 mm	400X400 mm	350X350 mm	350X350 mm	400X400 mm	400X400 mm	350X350 mm	350X350 mm
JMLH. TULANGAN	8D22	8D22	8D19	8D19	8D19	8D19	8D16	8D16
SENGKANG	D13-100mm	D13-125mm	D13-85mm	D13-110mm	D13-100mm	D13-110mm	D13-85mm	D13-95mm
Sepanjang Lo	583 mm		600 mm		525 mm		617 mm	

TIPE BALOK	B1		B2		B3	
	Tumpuan	Lapangan	Tumpuan	Lapangan	Tumpuan	Lapangan
UKURAN BALOK	300X500 mm	300X500 mm	250X400 mm	250X400 mm	250X350 mm	250X350 mm
TULANGAN ATAS	4D16	3D16	4D13	3D13	3D13	2D13
TULANGAN BAWAH	3D16	3D16	3D13	3D13	2D13	2D13
SENGKANG	2D10-90mm	2D10-220mm	2D10-75mm	2D10-175mm	2D10-75mm	2D10-150mm

UNIVERSITAS PANCASAKTI TEGAL FAKULTAS TEKNIK PRODI TEKNIK SIPIL	Digambar Drawn	Akhmad Saefulloh
	Diperiksa Checked	
	Disetujui Checked	
	Skala Scale	1 : 200
Gambar Drawing	DETAIL TULANGAN	Nomor Gambar Drawing number 1. 13