

BAB V

KESIMPULAN DAN SARAN

5.1 Kesimpulan

Dari analisis yang diperoleh dari desain menggunakan *Direct Displacement Based Design* (DDBD), *Yield Point Spectra* (YPS) dan *Force Based Design* (FBD) sebagai nilai pembanding, maka dapat diambil beberapa kesimpulan antara lain:

1. *Direct Displacement Based Design* dan *Yield Point Spectra* memiliki kemampuan untuk memudahkan engineer untuk memilih level kinerja yang diinginkan berdasarkan perpindahan rencana yang tidak dimiliki oleh *Force Based Design*.
2. Untuk bangunan 5 lantai gaya gempa rencana yang didapat untuk DDBD memiliki estimasi yang lebih rendah 285.36 kN dibanding FBD 361.11 kN dan YPS menghasilkan nilai paling besar yaitu 396.05 kN
3. Untuk bangunan 10 lantai gaya gempa rencana yang didapat untuk FBD memiliki estimasi yang lebih rendah 375.49 kN dibanding YPS 425.94 kN dan DDBD menghasilkan nilai paling besar yaitu 478.98 kN
4. Setiap metode mengadopsi pola pembebanan yang berbeda yang merupakan pendekatan terhadap *Nonlinear Time History Analysis*, pola beban tersebut berpengaruh terhadap hasil akhir sehingga menghasilkan nilai yang hampir sama.
5. Perbedaan hasil penulangan antara prosedur menghasilkan nilai yang tidak jauh berbeda, dengan pembulatan mengikuti ukuran tulangan yang tersedia hasil desain tidak akan terlalu berbeda.
6. Dengan analisis *pushover* menunjukkan kondisi struktur saat terjadi gempa, kapasitas beban yang mampu ditahan oleh struktur serta perpindahan akibat beban tersebut.
7. Untuk 5 lantai target perpindahan dari DDBD (235 mm) lebih mendekati hasil *pushover* (215.8 mm) dibandingkan YPS (265 mm), sedangkan

estimasi perpindahan luluh awal YPS (81.71mm) lebih mendekati *pushover* (63.2 mm) sedangkan DDBD (141 mm) jauh dari *pushover*. Waktu getar efektif untuk DDBD (2.8 detik) dan YPS (1.76 detik) jauh hasilnya dibanding *pushover* (1.01 detik) dengan level kinerja masih dalam *Immediate Occupancy* (IO)

8. Untuk 10 lantai Target perpindahan dari DDBD (445 mm) lebih mendekati hasil *pushover* (475.9 mm) dibandingkan YPS (528 mm), sedangkan estimasi perpindahan luluh awal YPS (158.9mm) lebih mendekati *pushover* (105.49mm) sedangkan DDBD (272 mm) jauh dari *pushover*. Waktu getar efektif untuk DDBD (4 detik) dan YPS (3.4 detik) jauh hasilnya dibanding *pushover* (2.1 detik) dengan Level kinerja masi dalam “*Immediate Occupancy* (IO)”
9. Dari analisis nonlinear time history dihasilkan level kinerja *Immediate Occupancy* (IO), sehingga desain masi memeuhi rencana desain awal yaitu *Life safety* (LS), karena dalam proses desain menggunakan metode *capacity desain* dengan faktor-faktor amplifikasi seperti kombinasi pembebanan dan faktor reduksi kekuatan yang menghasilkan peningkatan kapasitas dari struktur yang sesungguhnya.
10. Struktur tersebut memenuhi filosofi "*Strong column weak beam*" dimana kerusakan hanya terjadi pada kedua ujung balok dan kolom ujung bawah
11. Dengan adanya evaluasi kinerja dapat dirancang suatu struktur yang efisien dengan menentukan lokasi sendi-sendi plastis, jika terjadi sendi plastis pada lokasi yang tidak diinginkan maka dapat meningkatkan kekuatan pada lokasi tersebut.
12. Dari kedua metode tersebut, metode YPS dalam pengaplikasiannya lebih mudah diterapkan dibanding DDBD, karena penentuan perpindahan luluh dari DDBD diperoleh dari estimasi ukuran balok dan panjang bentang, sedangkan YPS dari perpindahan maksimum rencana dibagi dengan nilai daktilitasnya sesuai dengan system struktur. DDBD dalam penentuan waktu getar efektif yang didapat melalui respon perpindahan seringkali untuk $T > T_c$ harus menggunakan iterasi untuk mendapatkan perpindahan baru.

5.2 Saran

Dari analisis yang penulis lakukan, penulis dapat memberikan beberapa saran yang mungkin dapat digunakan dalam analisis selanjutnya antara lain :

1. Dalam perencanaan bangunan diharapkan ditinjau dengan *pushover* agar diketahui level *performance* dari bangunan tersebut.
2. Metode DDBD dan YPS masi terbatas penggunaanya, dan masi banyak hal-hal yang sifatnya *engineering judgement*.
3. Pemodelan untuk selanjutnya dapat menggunakan progam bantu seperti SAP 2000 nonlinear V18, Ruaumoko, Seismostruct dan Perform-3D untuk membandingkan dengan Program Etabs
4. Menggunakan lebih banyak rekaman gempa dan diseleksi sesuai dengan karakteristik kegempaan di Indonesia untuk mendapatkan hasil yang lebih sesuai dan akurat.

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Lampiran

LAMPIRAN

1. Tulangan desain DDBD 5 Lantai

TABLE: Concrete Column PMM Envelope DDBD 5 Lantai								
Label	Story	Section	Location	P	M Major	M Minor	PMM Combo	PMM Ratio or Rebar %
				kN	kN-m	kN-m		
C1	Story5	k60x60	Top	80.12	29.07	29.07	Comb2	1%
C1	Story5	k60x60	Bottom	115.74	-24.75	-24.75	Comb2	1%
C2	Story5	k60x60	Top	147.49	4.92	52.31	Comb2	1%
C2	Story5	k60x60	Bottom	183.12	-6.12	-44.72	Comb2	1%
C3	Story5	k60x60	Top	80.12	-29.07	29.07	Comb2	1%
C3	Story5	k60x60	Bottom	115.74	24.75	-24.75	Comb2	1%
C4	Story5	k60x60	Top	147.49	52.31	0.00	Comb2	1%
C4	Story5	k60x60	Bottom	183.12	-44.72	0.00	Comb2	1%
C5	Story5	k60x60	Top	273.71	-9.17	0.00	Comb2	1%
C5	Story5	k60x60	Bottom	309.34	10.37	0.00	Comb2	1%
C6	Story5	k60x60	Top	147.49	-52.31	0.00	Comb2	1%
C6	Story5	k60x60	Bottom	183.12	44.72	0.00	Comb2	1%
C7	Story5	k60x60	Top	80.12	29.07	-29.07	Comb2	1%
C7	Story5	k60x60	Bottom	115.74	-24.75	24.75	Comb2	1%
C8	Story5	k60x60	Top	147.49	4.92	-52.31	Comb2	1%
C8	Story5	k60x60	Bottom	183.12	-6.12	44.72	Comb2	1%
C9	Story5	k60x60	Top	80.12	-29.07	-29.07	Comb2	1%
C9	Story5	k60x60	Bottom	115.74	24.75	24.75	Comb2	1%
C1	Story4	k60x60	Top	198.33	11.74	11.74	Comb2	1%
C1	Story4	k60x60	Bottom	233.96	-18.88	-18.88	Comb2	1%
C2	Story4	k60x60	Top	330.33	11.08	21.33	Comb2	1%
C2	Story4	k60x60	Bottom	365.96	-12.29	-34.16	Comb2	1%
C3	Story4	k60x60	Top	198.33	-11.74	11.74	Comb2	1%
C3	Story4	k60x60	Bottom	233.96	18.88	-18.88	Comb2	1%
C4	Story4	k60x60	Top	330.33	21.33	0.00	Comb2	1%
C4	Story4	k60x60	Bottom	365.96	-34.16	0.00	Comb2	1%
C5	Story4	k60x60	Top	574.27	-19.39	0.00	Comb2	1%
C5	Story4	k60x60	Bottom	609.90	20.62	0.00	Comb2	1%
C6	Story4	k60x60	Top	330.33	-21.33	0.00	Comb2	1%
C6	Story4	k60x60	Bottom	365.96	34.16	0.00	Comb2	1%
C7	Story4	k60x60	Top	198.33	11.74	-11.74	Comb2	1%
C7	Story4	k60x60	Bottom	233.96	-18.88	18.88	Comb2	1%

C8	Story4	k60x60	Top	330.33	11.08	-21.33	Comb2	1%
C8	Story4	k60x60	Bottom	365.96	-12.29	34.16	Comb2	1%
C9	Story4	k60x60	Top	198.33	-11.74	-11.74	Comb2	1%
C9	Story4	k60x60	Bottom	233.96	18.88	18.88	Comb2	1%
C1	Story3	k60x60	Top	315.41	15.41	15.41	Comb2	1%
C1	Story3	k60x60	Bottom	351.04	-19.12	-19.12	Comb2	1%
C2	Story3	k60x60	Top	513.29	17.31	27.83	Comb2	1%
C2	Story3	k60x60	Bottom	548.91	-18.53	-34.56	Comb2	1%
C3	Story3	k60x60	Top	315.41	-15.41	15.41	Comb2	1%
C3	Story3	k60x60	Bottom	351.04	19.12	-19.12	Comb2	1%
C4	Story3	k60x60	Top	513.29	27.83	0.00	Comb2	1%
C4	Story3	k60x60	Bottom	548.91	-34.56	0.00	Comb2	1%
C5	Story3	k60x60	Top	878.93	-29.93	0.00	Comb2	1%
C5	Story3	k60x60	Bottom	914.55	31.18	0.00	Comb2	1%
C6	Story3	k60x60	Top	513.29	-27.83	0.00	Comb2	1%
C6	Story3	k60x60	Bottom	548.91	34.56	0.00	Comb2	1%
C7	Story3	k60x60	Top	315.41	15.41	-15.41	Comb2	1%
C7	Story3	k60x60	Bottom	351.04	-19.12	19.12	Comb2	1%
C8	Story3	k60x60	Top	513.29	17.31	-27.83	Comb2	1%
C8	Story3	k60x60	Bottom	548.91	-18.53	34.56	Comb2	1%
C9	Story3	k60x60	Top	315.41	-15.41	-15.41	Comb2	1%
C9	Story3	k60x60	Bottom	351.04	19.12	19.12	Comb2	1%
C1	Story2	k60x60	Top	432.01	14.49	14.49	Comb2	1%
C1	Story2	k60x60	Bottom	467.64	-21.34	-21.34	Comb2	1%
C2	Story2	k60x60	Top	696.26	-23.60	26.21	Comb2	1%
C2	Story2	k60x60	Bottom	731.89	-24.84	-38.53	Comb2	1%
C3	Story2	k60x60	Top	432.01	-14.49	14.49	Comb2	1%
C3	Story2	k60x60	Bottom	467.64	21.34	-21.34	Comb2	1%
C4	Story2	k60x60	Top	696.26	26.21	0.00	Comb2	1%
C4	Story2	k60x60	Bottom	731.89	-38.53	0.00	Comb2	1%
C5	Story2	k60x60	Top	1185.38	-40.72	0.00	Comb2	1%
C5	Story2	k60x60	Bottom	1221.01	41.99	0.00	Comb2	1%
C6	Story2	k60x60	Top	696.26	-26.21	0.00	Comb2	1%
C6	Story2	k60x60	Bottom	731.89	38.53	0.00	Comb2	1%
C7	Story2	k60x60	Top	432.01	14.49	-14.49	Comb2	1%
C7	Story2	k60x60	Bottom	467.64	-21.34	21.34	Comb2	1%
C8	Story2	k60x60	Top	696.26	-23.60	-26.21	Comb2	1%
C8	Story2	k60x60	Bottom	731.89	-24.84	38.53	Comb2	1%
C9	Story2	k60x60	Top	432.01	-14.49	-14.49	Comb2	1%
C9	Story2	k60x60	Bottom	467.64	21.34	21.34	Comb2	1%

C1	Story1	k60x60	Top	547.21	18.19	12.62	Comb2	1%
C1	Story1	k60x60	Bottom	582.84	-19.37	-7.49	Comb2	1%
C2	Story1	k60x60	Top	879.36	-29.97	22.77	Comb2	1%
C2	Story1	k60x60	Bottom	914.99	-31.22	-13.53	Comb2	1%
C3	Story1	k60x60	Top	547.21	-18.19	12.62	Comb2	1%
C3	Story1	k60x60	Bottom	582.84	19.37	-7.49	Comb2	1%
C4	Story1	k60x60	Top	879.36	29.23	0.00	Comb2	1%
C4	Story1	k60x60	Bottom	914.99	-30.41	0.00	Comb2	1%
C5	Story1	k60x60	Top	1496.98	-51.87	0.00	Comb2	1%
C5	Story1	k60x60	Bottom	1532.61	-53.17	0.00	Comb2	1%
C6	Story1	k60x60	Top	879.36	-29.23	0.00	Comb2	1%
C6	Story1	k60x60	Bottom	914.99	30.41	0.00	Comb2	1%
C7	Story1	k60x60	Top	547.21	18.19	-12.62	Comb2	1%
C7	Story1	k60x60	Bottom	582.84	-19.37	7.49	Comb2	1%
C8	Story1	k60x60	Top	879.36	-29.97	-22.77	Comb2	1%
C8	Story1	k60x60	Bottom	914.99	-31.22	13.53	Comb2	1%
C9	Story1	k60x60	Top	547.21	-18.19	-12.62	Comb2	1%
C9	Story1	k60x60	Bottom	582.84	19.37	7.49	Comb2	1%

TABLE: Concrete Beam Flexure Envelope DDBD 5 Lantai								
Label	Story	Location	(-) Moment kN-m	(-) Combo	As Top mm ²	(+) Moment kN-m	(+) Combo	As Bot mm ²
B1	Story5	End-I	-46.78	DDBD	385.76	23.389	DDBD	190.54
B1	Story5	Middle	-11.69	DDBD	94.71	27.626	Comb2	225.55
B1	Story5	End-J	-45.09	DDBD	371.48	22.543	DDBD	183.57
B2	Story5	End-I	-45.09	DDBD	371.48	22.543	DDBD	183.57
B2	Story5	Middle	-11.69	DDBD	94.71	27.626	Comb2	225.55
B2	Story5	End-J	-46.78	DDBD	385.76	23.389	DDBD	190.54
B3	Story5	End-I	-46.78	DDBD	385.76	23.389	DDBD	190.54
B3	Story5	Middle	-11.69	DDBD	94.71	27.626	Comb2	225.55
B3	Story5	End-J	-45.09	DDBD	371.48	22.543	DDBD	183.57
B4	Story5	End-I	-63.50	DDBD	396.45	31.751	DDBD	259.78
B4	Story5	Middle	-15.88	DDBD	128.84	51.347	Comb2	396.45
B4	Story5	End-J	-61.44	DDBD	396.45	30.719	DDBD	251.21
B5	Story5	End-I	-46.78	DDBD	385.76	23.389	DDBD	190.54
B5	Story5	Middle	-11.69	DDBD	94.71	27.626	Comb2	225.55
B5	Story5	End-J	-45.09	DDBD	371.48	22.543	DDBD	183.57
B6	Story5	End-I	-63.50	DDBD	396.45	31.751	DDBD	259.78
B6	Story5	Middle	-15.88	DDBD	128.84	51.347	Comb2	396.45

B6	Story5	End-J	-61.44	DDBD	396.45	30.719	DDBD	251.21
B7	Story5	End-I	-61.44	DDBD	396.45	30.719	DDBD	251.21
B7	Story5	Middle	-15.88	DDBD	128.84	51.342	Comb2	396.45
B7	Story5	End-J	-63.50	DDBD	396.45	31.751	DDBD	259.78
B8	Story5	End-I	-45.09	DDBD	371.48	22.543	DDBD	183.57
B8	Story5	Middle	-11.69	DDBD	94.71	27.626	Comb2	225.55
B8	Story5	End-J	-46.78	DDBD	385.76	23.389	DDBD	190.54
B9	Story5	End-I	-61.44	DDBD	396.45	30.719	DDBD	251.21
B9	Story5	Middle	-15.88	DDBD	128.84	51.342	Comb2	396.45
B9	Story5	End-J	-63.50	DDBD	396.45	31.751	DDBD	259.78
B10	Story5	End-I	-45.09	DDBD	371.48	22.543	DDBD	183.57
B10	Story5	Middle	-11.69	DDBD	94.71	27.626	Comb2	225.55
B10	Story5	End-J	-46.78	DDBD	385.76	23.389	DDBD	190.54
B11	Story5	End-I	-46.78	DDBD	385.76	23.389	DDBD	190.54
B11	Story5	Middle	-11.69	DDBD	94.71	27.626	Comb2	225.55
B11	Story5	End-J	-45.09	DDBD	371.48	22.543	DDBD	183.57
B12	Story5	End-I	-45.09	DDBD	371.48	22.543	DDBD	183.57
B12	Story5	Middle	-11.69	DDBD	94.71	27.626	Comb2	225.55
B12	Story5	End-J	-46.78	DDBD	385.76	23.389	DDBD	190.54
B1	Story4	End-I	-64.85	DDBD	405.04	32.426	DDBD	265.4
B1	Story4	Middle	-16.21	DDBD	131.6	27.040	Comb2	220.7
B1	Story4	End-J	-59.19	DDBD	396.45	29.597	DDBD	241.89
B2	Story4	End-I	-59.19	DDBD	396.45	29.597	DDBD	241.89
B2	Story4	Middle	-16.21	DDBD	131.6	27.040	Comb2	220.7
B2	Story4	End-J	-64.85	DDBD	405.04	32.426	DDBD	265.4
B3	Story4	End-I	-64.85	DDBD	405.04	32.426	DDBD	265.4
B3	Story4	Middle	-16.21	DDBD	131.6	27.040	Comb2	220.7
B3	Story4	End-J	-59.19	DDBD	396.45	29.597	DDBD	241.89
B4	Story4	End-I	-83.98	DDBD	530.11	41.989	DDBD	345.39
B4	Story4	Middle	-20.99	DDBD	170.83	50.394	Comb2	396.45
B4	Story4	End-J	-74.59	DDBD	468.4	37.297	DDBD	306.04
B5	Story4	End-I	-64.85	DDBD	405.04	32.426	DDBD	265.4
B5	Story4	Middle	-16.21	DDBD	131.6	27.040	Comb2	220.7
B5	Story4	End-J	-59.19	DDBD	396.45	29.597	DDBD	241.89
B6	Story4	End-I	-83.98	DDBD	530.11	41.989	DDBD	345.39
B6	Story4	Middle	-20.99	DDBD	170.83	50.394	Comb2	396.45
B6	Story4	End-J	-74.59	DDBD	468.4	37.297	DDBD	306.04
B7	Story4	End-I	-74.59	DDBD	468.4	37.297	DDBD	306.04
B7	Story4	Middle	-20.99	DDBD	170.83	49.721	Comb2	396.45
B7	Story4	End-J	-83.98	DDBD	530.11	41.989	DDBD	345.39

B8	Story4	End-I	-59.19	DDBD	396.45	29.597	DDBD	241.89
B8	Story4	Middle	-16.21	DDBD	131.6	27.040	Comb2	220.7
B8	Story4	End-J	-64.85	DDBD	405.04	32.426	DDBD	265.4
B9	Story4	End-I	-74.59	DDBD	468.4	37.297	DDBD	306.04
B9	Story4	Middle	-20.99	DDBD	170.83	49.721	Comb2	396.45
B9	Story4	End-J	-83.98	DDBD	530.11	41.989	DDBD	345.39
B10	Story4	End-I	-59.19	DDBD	396.45	29.597	DDBD	241.89
B10	Story4	Middle	-16.21	DDBD	131.6	27.040	Comb2	220.7
B10	Story4	End-J	-64.85	DDBD	405.04	32.426	DDBD	265.4
B11	Story4	End-I	-64.85	DDBD	405.04	32.426	DDBD	265.4
B11	Story4	Middle	-16.21	DDBD	131.6	27.040	Comb2	220.7
B11	Story4	End-J	-59.19	DDBD	396.45	29.597	DDBD	241.89
B12	Story4	End-I	-59.19	DDBD	396.45	29.597	DDBD	241.89
B12	Story4	Middle	-16.21	DDBD	131.6	27.040	Comb2	220.7
B12	Story4	End-J	-64.85	DDBD	405.04	32.426	DDBD	265.4
B1	Story3	End-I	-78.42	DDBD	493.5	43.763	DDBD	360.33
B1	Story3	Middle	-19.61	DDBD	159.42	32.452	DDBD	265.62
B1	Story3	End-J	-74.01	DDBD	464.58	42.763	DDBD	351.91
B2	Story3	End-I	-74.01	DDBD	464.58	42.763	DDBD	351.91
B2	Story3	Middle	-19.61	DDBD	159.42	32.452	DDBD	265.62
B2	Story3	End-J	-78.42	DDBD	493.5	43.763	DDBD	360.33
B3	Story3	End-I	-78.42	DDBD	493.5	43.763	DDBD	360.33
B3	Story3	Middle	-19.61	DDBD	159.42	32.452	DDBD	265.62
B3	Story3	End-J	-74.01	DDBD	464.58	42.763	DDBD	351.91
B4	Story3	End-I	-96.59	DDBD	614.11	48.293	DDBD	396.45
B4	Story3	Middle	-24.15	DDBD	196.79	50.536	Comb2	396.45
B4	Story3	End-J	-90.04	DDBD	570.36	45.021	DDBD	370.94
B5	Story3	End-I	-78.42	DDBD	493.5	43.763	DDBD	360.33
B5	Story3	Middle	-19.61	DDBD	159.42	32.452	DDBD	265.62
B5	Story3	End-J	-74.01	DDBD	464.58	42.763	DDBD	351.91
B6	Story3	End-I	-96.59	DDBD	614.11	48.293	DDBD	396.45
B6	Story3	Middle	-24.15	DDBD	196.79	50.536	Comb2	396.45
B6	Story3	End-J	-90.04	DDBD	570.36	45.021	DDBD	370.94
B7	Story3	End-I	-90.04	DDBD	570.36	45.021	DDBD	370.94
B7	Story3	Middle	-24.15	DDBD	196.79	50.170	Comb2	396.45
B7	Story3	End-J	-96.59	DDBD	614.11	48.293	DDBD	396.45
B8	Story3	End-I	-74.01	DDBD	464.58	42.763	DDBD	351.91
B8	Story3	Middle	-19.61	DDBD	159.42	32.452	DDBD	265.62
B8	Story3	End-J	-78.42	DDBD	493.5	43.763	DDBD	360.33
B9	Story3	End-I	-90.04	DDBD	570.36	45.021	DDBD	370.94

B9	Story3	Middle	-24.15	DDBD	196.79	50.170	Comb2	396.45
B9	Story3	End-J	-96.59	DDBD	614.11	48.293	DDBD	396.45
B10	Story3	End-I	-74.01	DDBD	464.58	42.763	DDBD	351.91
B10	Story3	Middle	-19.61	DDBD	159.42	32.452	DDBD	265.62
B10	Story3	End-J	-78.42	DDBD	493.5	43.763	DDBD	360.33
B11	Story3	End-I	-78.42	DDBD	493.5	43.763	DDBD	360.33
B11	Story3	Middle	-19.61	DDBD	159.42	32.452	DDBD	265.62
B11	Story3	End-J	-74.01	DDBD	464.58	42.763	DDBD	351.91
B12	Story3	End-I	-74.01	DDBD	464.58	42.763	DDBD	351.91
B12	Story3	Middle	-19.61	DDBD	159.42	32.452	DDBD	265.62
B12	Story3	End-J	-78.42	DDBD	493.5	43.763	DDBD	360.33
B1	Story2	End-I	-86.06	DDBD	543.89	51.881	DDBD	396.45
B1	Story2	Middle	-21.51	DDBD	175.11	35.227	DDBD	288.75
B1	Story2	End-J	-82.29	DDBD	518.96	50.266	DDBD	396.45
B2	Story2	End-I	-82.29	DDBD	518.96	50.266	DDBD	396.45
B2	Story2	Middle	-21.51	DDBD	175.11	35.227	DDBD	288.75
B2	Story2	End-J	-86.06	DDBD	543.89	51.881	DDBD	396.45
B3	Story2	End-I	-86.06	DDBD	543.89	51.881	DDBD	396.45
B3	Story2	Middle	-21.51	DDBD	175.11	35.227	DDBD	288.75
B3	Story2	End-J	-82.29	DDBD	518.96	50.266	DDBD	396.45
B4	Story2	End-I	-103.92	DDBD	663.6	51.962	DDBD	396.45
B4	Story2	Middle	-25.98	DDBD	211.94	50.340	Comb2	396.45
B4	Story2	End-J	-98.76	DDBD	628.76	49.382	DDBD	396.45
B5	Story2	End-I	-86.06	DDBD	543.89	51.881	DDBD	396.45
B5	Story2	Middle	-21.51	DDBD	175.11	35.227	DDBD	288.75
B5	Story2	End-J	-82.29	DDBD	518.96	50.266	DDBD	396.45
B6	Story2	End-I	-103.92	DDBD	663.6	51.962	DDBD	396.45
B6	Story2	Middle	-25.98	DDBD	211.94	50.340	Comb2	396.45
B6	Story2	End-J	-98.76	DDBD	628.76	49.382	DDBD	396.45
B7	Story2	End-I	-98.76	DDBD	628.76	49.382	DDBD	396.45
B7	Story2	Middle	-25.98	DDBD	211.94	50.106	Comb2	396.45
B7	Story2	End-J	-103.92	DDBD	663.6	51.962	DDBD	396.45
B8	Story2	End-I	-82.29	DDBD	518.96	50.266	DDBD	396.45
B8	Story2	Middle	-21.51	DDBD	175.11	35.227	DDBD	288.75
B8	Story2	End-J	-86.06	DDBD	543.89	51.881	DDBD	396.45
B9	Story2	End-I	-98.76	DDBD	628.76	49.382	DDBD	396.45
B9	Story2	Middle	-25.98	DDBD	211.94	50.106	Comb2	396.45
B9	Story2	End-J	-103.92	DDBD	663.6	51.962	DDBD	396.45
B10	Story2	End-I	-82.29	DDBD	518.96	50.266	DDBD	396.45
B10	Story2	Middle	-21.51	DDBD	175.11	35.227	DDBD	288.75

B10	Story2	End-J	-86.06	DDBD	543.89	51.881	DDBD	396.45
B11	Story2	End-I	-86.06	DDBD	543.89	51.881	DDBD	396.45
B11	Story2	Middle	-21.51	DDBD	175.11	35.227	DDBD	288.75
B11	Story2	End-J	-82.29	DDBD	518.96	50.266	DDBD	396.45
B12	Story2	End-I	-82.29	DDBD	518.96	50.266	DDBD	396.45
B12	Story2	Middle	-21.51	DDBD	175.11	35.227	DDBD	288.75
B12	Story2	End-J	-86.06	DDBD	543.89	51.881	DDBD	396.45
B1	Story1	End-I	-75.63	DDBD	475.2	43.565	DDBD	358.66
B1	Story1	Middle	-18.91	DDBD	153.69	32.807	DDBD	268.57
B1	Story1	End-J	-74.48	DDBD	467.67	40.773	DDBD	335.18
B2	Story1	End-I	-74.48	DDBD	467.67	40.773	DDBD	335.18
B2	Story1	Middle	-18.91	DDBD	153.69	32.807	DDBD	268.57
B2	Story1	End-J	-75.63	DDBD	475.2	43.565	DDBD	358.66
B3	Story1	End-I	-75.63	DDBD	475.2	43.565	DDBD	358.66
B3	Story1	Middle	-18.91	DDBD	153.69	32.807	DDBD	268.57
B3	Story1	End-J	-74.48	DDBD	467.67	40.773	DDBD	335.18
B4	Story1	End-I	-92.38	DDBD	585.95	46.190	DDBD	380.8
B4	Story1	Middle	-23.10	DDBD	188.12	50.335	Comb2	396.45
B4	Story1	End-J	-91.88	DDBD	582.63	45.941	DDBD	378.7
B5	Story1	End-I	-75.63	DDBD	475.2	43.565	DDBD	358.66
B5	Story1	Middle	-18.91	DDBD	153.69	32.807	DDBD	268.57
B5	Story1	End-J	-74.48	DDBD	467.67	40.773	DDBD	335.18
B6	Story1	End-I	-92.38	DDBD	585.95	46.190	DDBD	380.8
B6	Story1	Middle	-23.10	DDBD	188.12	50.335	Comb2	396.45
B6	Story1	End-J	-91.88	DDBD	582.63	45.941	DDBD	378.7
B7	Story1	End-I	-91.88	DDBD	582.63	45.941	DDBD	378.7
B7	Story1	Middle	-23.10	DDBD	188.12	50.486	Comb2	396.45
B7	Story1	End-J	-92.38	DDBD	585.95	46.190	DDBD	380.8
B8	Story1	End-I	-74.48	DDBD	467.67	40.773	DDBD	335.18
B8	Story1	Middle	-18.91	DDBD	153.69	32.807	DDBD	268.57
B8	Story1	End-J	-75.63	DDBD	475.2	43.565	DDBD	358.66
B9	Story1	End-I	-91.88	DDBD	582.63	45.941	DDBD	378.7
B9	Story1	Middle	-23.10	DDBD	188.12	50.486	Comb2	396.45
B9	Story1	End-J	-92.38	DDBD	585.95	46.190	DDBD	380.8
B10	Story1	End-I	-74.48	DDBD	467.67	40.773	DDBD	335.18
B10	Story1	Middle	-18.91	DDBD	153.69	32.807	DDBD	268.57
B10	Story1	End-J	-75.63	DDBD	475.2	43.565	DDBD	358.66
B11	Story1	End-I	-75.63	DDBD	475.2	43.565	DDBD	358.66
B11	Story1	Middle	-18.91	DDBD	153.69	32.807	DDBD	268.57
B11	Story1	End-J	-74.48	DDBD	467.67	40.773	DDBD	335.18

B12	Story1	End-I	-74.48	DDBD	467.67	40.773	DDBD	335.18
B12	Story1	Middle	-18.91	DDBD	153.69	32.807	DDBD	268.57
B12	Story1	End-J	-75.63	DDBD	475.2	43.565	DDBD	358.66

2. Tulangan Desain YPS 5 Lantai

TABLE: Concrete Column PMM Envelope YPS 5 Lantai								
Label	Story	Section	Location	P	M Major	M Minor	PMM Combo	PMM Ratio or Rebar %
				kN	kN-m	kN-m		
C1	Story5	k60x60	Top	80.12	29.07	29.07	Comb2	1%
C1	Story5	k60x60	Bottom	115.74	-24.75	-24.75	Comb2	1%
C2	Story5	k60x60	Top	147.49	4.92	52.31	Comb2	1%
C2	Story5	k60x60	Bottom	183.12	-6.12	-44.72	Comb2	1%
C3	Story5	k60x60	Top	80.12	-29.07	29.07	Comb2	1%
C3	Story5	k60x60	Bottom	115.74	24.75	-24.75	Comb2	1%
C4	Story5	k60x60	Top	147.49	52.31	0.00	Comb2	1%
C4	Story5	k60x60	Bottom	183.12	-44.72	0.00	Comb2	1%
C5	Story5	k60x60	Top	273.71	-9.17	0.00	Comb2	1%
C5	Story5	k60x60	Bottom	309.34	10.37	0.00	Comb2	1%
C6	Story5	k60x60	Top	147.49	-52.31	0.00	Comb2	1%
C6	Story5	k60x60	Bottom	183.12	44.72	0.00	Comb2	1%
C7	Story5	k60x60	Top	80.12	29.07	-29.07	Comb2	1%
C7	Story5	k60x60	Bottom	115.74	-24.75	24.75	Comb2	1%
C8	Story5	k60x60	Top	147.49	4.92	-52.31	Comb2	1%
C8	Story5	k60x60	Bottom	183.12	-6.12	44.72	Comb2	1%
C9	Story5	k60x60	Top	80.12	-29.07	-29.07	Comb2	1%
C9	Story5	k60x60	Bottom	115.74	24.75	24.75	Comb2	1%
C1	Story4	k60x60	Top	198.33	11.74	11.74	Comb2	1%
C1	Story4	k60x60	Bottom	233.96	-18.88	-18.88	Comb2	1%
C2	Story4	k60x60	Top	330.33	11.08	21.33	Comb2	1%
C2	Story4	k60x60	Bottom	365.96	-12.29	-34.16	Comb2	1%
C3	Story4	k60x60	Top	198.33	-11.74	11.74	Comb2	1%
C3	Story4	k60x60	Bottom	233.96	18.88	-18.88	Comb2	1%
C4	Story4	k60x60	Top	330.33	21.33	0.00	Comb2	1%
C4	Story4	k60x60	Bottom	365.96	-34.16	0.00	Comb2	1%
C5	Story4	k60x60	Top	574.27	-19.39	0.00	Comb2	1%
C5	Story4	k60x60	Bottom	609.90	20.62	0.00	Comb2	1%
C6	Story4	k60x60	Top	330.33	-21.33	0.00	Comb2	1%

C6	Story4	k60x60	Bottom	365.96	34.16	0.00	Comb2	1%
C7	Story4	k60x60	Top	198.33	11.74	-11.74	Comb2	1%
C7	Story4	k60x60	Bottom	233.96	-18.88	18.88	Comb2	1%
C8	Story4	k60x60	Top	330.33	11.08	-21.33	Comb2	1%
C8	Story4	k60x60	Bottom	365.96	-12.29	34.16	Comb2	1%
C9	Story4	k60x60	Top	198.33	-11.74	-11.74	Comb2	1%
C9	Story4	k60x60	Bottom	233.96	18.88	18.88	Comb2	1%
C1	Story3	k60x60	Top	315.41	15.41	15.41	Comb2	1%
C1	Story3	k60x60	Bottom	351.04	-19.12	-19.12	Comb2	1%
C2	Story3	k60x60	Top	513.29	17.31	27.83	Comb2	1%
C2	Story3	k60x60	Bottom	548.91	-18.53	-34.56	Comb2	1%
C3	Story3	k60x60	Top	315.41	-15.41	15.41	Comb2	1%
C3	Story3	k60x60	Bottom	351.04	19.12	-19.12	Comb2	1%
C4	Story3	k60x60	Top	513.29	27.83	0.00	Comb2	1%
C4	Story3	k60x60	Bottom	548.91	-34.56	0.00	Comb2	1%
C5	Story3	k60x60	Top	878.93	-29.93	0.00	Comb2	1%
C5	Story3	k60x60	Bottom	914.55	31.18	0.00	Comb2	1%
C6	Story3	k60x60	Top	513.29	-27.83	0.00	Comb2	1%
C6	Story3	k60x60	Bottom	548.91	34.56	0.00	Comb2	1%
C7	Story3	k60x60	Top	315.41	15.41	-15.41	Comb2	1%
C7	Story3	k60x60	Bottom	351.04	-19.12	19.12	Comb2	1%
C8	Story3	k60x60	Top	513.29	17.31	-27.83	Comb2	1%
C8	Story3	k60x60	Bottom	548.91	-18.53	34.56	Comb2	1%
C9	Story3	k60x60	Top	315.41	-15.41	-15.41	Comb2	1%
C9	Story3	k60x60	Bottom	351.04	19.12	19.12	Comb2	1%
C1	Story2	k60x60	Top	432.01	14.49	14.49	Comb2	1%
C1	Story2	k60x60	Bottom	467.64	-21.34	-21.34	Comb2	1%
C2	Story2	k60x60	Top	696.26	-23.60	26.21	Comb2	1%
C2	Story2	k60x60	Bottom	731.89	-24.84	-38.53	Comb2	1%
C3	Story2	k60x60	Top	432.01	-14.49	14.49	Comb2	1%
C3	Story2	k60x60	Bottom	467.64	21.34	-21.34	Comb2	1%
C4	Story2	k60x60	Top	696.26	26.21	0.00	Comb2	1%
C4	Story2	k60x60	Bottom	731.89	-38.53	0.00	Comb2	1%
C5	Story2	k60x60	Top	1185.38	-40.72	0.00	Comb2	1%
C5	Story2	k60x60	Bottom	1221.01	41.99	0.00	Comb2	1%
C6	Story2	k60x60	Top	696.26	-26.21	0.00	Comb2	1%
C6	Story2	k60x60	Bottom	731.89	38.53	0.00	Comb2	1%
C7	Story2	k60x60	Top	432.01	14.49	-14.49	Comb2	1%
C7	Story2	k60x60	Bottom	467.64	-21.34	21.34	Comb2	1%
C8	Story2	k60x60	Top	696.26	-23.60	-26.21	Comb2	1%

C8	Story2	k60x60	Bottom	731.89	-24.84	38.53	Comb2	1%
C9	Story2	k60x60	Top	432.01	-14.49	-14.49	Comb2	1%
C9	Story2	k60x60	Bottom	467.64	21.34	21.34	Comb2	1%
C1	Story1	k60x60	Top	547.21	18.19	12.62	Comb2	1%
C1	Story1	k60x60	Bottom	582.84	-19.37	-7.49	Comb2	1%
C2	Story1	k60x60	Top	879.36	-29.97	22.77	Comb2	1%
C2	Story1	k60x60	Bottom	914.99	-31.22	-13.53	Comb2	1%
C3	Story1	k60x60	Top	547.21	-18.19	12.62	Comb2	1%
C3	Story1	k60x60	Bottom	582.84	19.37	-7.49	Comb2	1%
C4	Story1	k60x60	Top	879.36	29.23	0.00	Comb2	1%
C4	Story1	k60x60	Bottom	914.99	-30.41	0.00	Comb2	1%
C5	Story1	k60x60	Top	1496.98	-51.87	0.00	Comb2	1%
C5	Story1	k60x60	Bottom	1532.61	-53.17	0.00	Comb2	1%
C6	Story1	k60x60	Top	879.36	-29.23	0.00	Comb2	1%
C6	Story1	k60x60	Bottom	914.99	30.41	0.00	Comb2	1%
C7	Story1	k60x60	Top	547.21	18.19	-12.62	Comb2	1%
C7	Story1	k60x60	Bottom	582.84	-19.37	7.49	Comb2	1%
C8	Story1	k60x60	Top	879.36	-29.97	-22.77	Comb2	1%
C8	Story1	k60x60	Bottom	914.99	-31.22	13.53	Comb2	1%
C9	Story1	k60x60	Top	547.21	-18.19	-12.62	Comb2	1%
C9	Story1	k60x60	Bottom	582.84	19.37	7.49	Comb2	1%

TABLE: Concrete Beam Flexure Envelope YPS 5 Lantai

Label	Story	Location	(-)	(-)	As	(+)	(+)	As Bot
			Moment	Combo	Top	Moment	Combo	
			kN-m		mm ²	kN-m		mm ²
B1	Story5	End-I	-64.11	YPS	400.28	32.4434	YPS	265.55
B1	Story5	Middle	-16.03	YPS	130.09	29.9374	YPS	244.72
B1	Story5	End-J	-61.10	YPS	396.45	30.5491	YPS	249.8
B2	Story5	End-I	-61.10	YPS	396.45	30.5491	YPS	249.8
B2	Story5	Middle	-16.03	YPS	130.09	29.9374	YPS	244.72
B2	Story5	End-J	-64.11	YPS	400.28	32.4434	YPS	265.55
B3	Story5	End-I	-64.11	YPS	400.28	32.4434	YPS	265.55
B3	Story5	Middle	-16.03	YPS	130.09	29.9374	YPS	244.72
B3	Story5	End-J	-61.10	YPS	396.45	30.5491	YPS	249.8
B4	Story5	End-I	-80.84	YPS	509.39	40.419	YPS	332.21
B4	Story5	Middle	-20.21	YPS	164.38	51.3466	Comb2	396.45
B4	Story5	End-J	-77.45	YPS	487.11	38.725	YPS	318
B5	Story5	End-I	-64.11	YPS	400.28	32.4434	YPS	265.55

B5	Story5	Middle	-16.03	YPS	130.09	29.9374	YPS	244.72
B5	Story5	End-J	-61.10	YPS	396.45	30.5491	YPS	249.8
B6	Story5	End-I	-80.84	YPS	509.39	40.419	YPS	332.21
B6	Story5	Middle	-20.21	YPS	164.38	51.3466	Comb2	396.45
B6	Story5	End-J	-77.45	YPS	487.11	38.725	YPS	318
B7	Story5	End-I	-77.45	YPS	487.11	38.725	YPS	318
B7	Story5	Middle	-20.21	YPS	164.38	51.3418	Comb2	396.45
B7	Story5	End-J	-80.84	YPS	509.39	40.419	YPS	332.21
B8	Story5	End-I	-61.10	YPS	396.45	30.5491	YPS	249.8
B8	Story5	Middle	-16.03	YPS	130.09	29.9374	YPS	244.72
B8	Story5	End-J	-64.11	YPS	400.28	32.4434	YPS	265.55
B9	Story5	End-I	-77.45	YPS	487.11	38.725	YPS	318
B9	Story5	Middle	-20.21	YPS	164.38	51.3418	Comb2	396.45
B9	Story5	End-J	-80.84	YPS	509.39	40.419	YPS	332.21
B10	Story5	End-I	-61.10	YPS	396.45	30.5491	YPS	249.8
B10	Story5	Middle	-16.03	YPS	130.09	29.9374	YPS	244.72
B10	Story5	End-J	-64.11	YPS	400.28	32.4434	YPS	265.55
B11	Story5	End-I	-64.11	YPS	400.28	32.4434	YPS	265.55
B11	Story5	Middle	-16.03	YPS	130.09	29.9374	YPS	244.72
B11	Story5	End-J	-61.10	YPS	396.45	30.5491	YPS	249.8
B12	Story5	End-I	-61.10	YPS	396.45	30.5491	YPS	249.8
B12	Story5	Middle	-16.03	YPS	130.09	29.9374	YPS	244.72
B12	Story5	End-J	-64.11	YPS	400.28	32.4434	YPS	265.55
B1	Story4	End-I	-90.16	YPS	571.17	53.6256	YPS	396.45
B1	Story4	Middle	-22.54	YPS	183.56	35.3197	YPS	289.52
B1	Story4	End-J	-83.75	YPS	528.58	53.7061	YPS	396.45
B2	Story4	End-I	-83.75	YPS	528.58	53.7061	YPS	396.45
B2	Story4	Middle	-22.54	YPS	183.56	35.3197	YPS	289.52
B2	Story4	End-J	-90.16	YPS	571.17	53.6256	YPS	396.45
B3	Story4	End-I	-90.16	YPS	571.17	53.6256	YPS	396.45
B3	Story4	Middle	-22.54	YPS	183.56	35.3197	YPS	289.52
B3	Story4	End-J	-83.75	YPS	528.58	53.7061	YPS	396.45
B4	Story4	End-I	-109.29	YPS	700.07	54.6448	YPS	396.45
B4	Story4	Middle	-27.32	YPS	223.04	50.3941	Comb2	396.45
B4	Story4	End-J	-99.15	YPS	631.32	49.5727	YPS	396.45
B5	Story4	End-I	-90.16	YPS	571.17	53.6256	YPS	396.45
B5	Story4	Middle	-22.54	YPS	183.56	35.3197	YPS	289.52
B5	Story4	End-J	-83.75	YPS	528.58	53.7061	YPS	396.45
B6	Story4	End-I	-109.29	YPS	700.07	54.6448	YPS	396.45
B6	Story4	Middle	-27.32	YPS	223.04	50.3941	Comb2	396.45

B6	Story4	End-J	-99.15	YPS	631.32	49.5727	YPS	396.45
B7	Story4	End-I	-99.15	YPS	631.32	49.5727	YPS	396.45
B7	Story4	Middle	-27.32	YPS	223.04	49.7206	Comb2	396.45
B7	Story4	End-J	-109.29	YPS	700.07	54.6448	YPS	396.45
B8	Story4	End-I	-83.75	YPS	528.58	53.7061	YPS	396.45
B8	Story4	Middle	-22.54	YPS	183.56	35.3197	YPS	289.52
B8	Story4	End-J	-90.16	YPS	571.17	53.6256	YPS	396.45
B9	Story4	End-I	-99.15	YPS	631.32	49.5727	YPS	396.45
B9	Story4	Middle	-27.32	YPS	223.04	49.7206	Comb2	396.45
B9	Story4	End-J	-109.29	YPS	700.07	54.6448	YPS	396.45
B10	Story4	End-I	-83.75	YPS	528.58	53.7061	YPS	396.45
B10	Story4	Middle	-22.54	YPS	183.56	35.3197	YPS	289.52
B10	Story4	End-J	-90.16	YPS	571.17	53.6256	YPS	396.45
B11	Story4	End-I	-90.16	YPS	571.17	53.6256	YPS	396.45
B11	Story4	Middle	-22.54	YPS	183.56	35.3197	YPS	289.52
B11	Story4	End-J	-83.75	YPS	528.58	53.7061	YPS	396.45
B12	Story4	End-I	-83.75	YPS	528.58	53.7061	YPS	396.45
B12	Story4	Middle	-22.54	YPS	183.56	35.3197	YPS	289.52
B12	Story4	End-J	-90.16	YPS	571.17	53.6256	YPS	396.45
B1	Story3	End-I	-108.52	YPS	694.79	73.8542	YPS	463.57
B1	Story3	Middle	-27.13	YPS	221.44	42.8634	YPS	352.75
B1	Story3	End-J	-102.96	YPS	657.07	71.7124	YPS	449.59
B2	Story3	End-I	-102.96	YPS	657.07	71.7124	YPS	449.59
B2	Story3	Middle	-27.13	YPS	221.44	42.8634	YPS	352.75
B2	Story3	End-J	-108.52	YPS	694.79	73.8542	YPS	463.57
B3	Story3	End-I	-108.52	YPS	694.79	73.8542	YPS	463.57
B3	Story3	Middle	-27.13	YPS	221.44	42.8634	YPS	352.75
B3	Story3	End-J	-102.96	YPS	657.07	71.7124	YPS	449.59
B4	Story3	End-I	-126.68	YPS	819.99	65.8244	YPS	411.34
B4	Story3	Middle	-31.67	YPS	259.11	51.4535	YPS	396.45
B4	Story3	End-J	-118.99	YPS	766.65	64.6217	YPS	403.56
B5	Story3	End-I	-108.52	YPS	694.79	73.8542	YPS	463.57
B5	Story3	Middle	-27.13	YPS	221.44	42.8634	YPS	352.75
B5	Story3	End-J	-102.96	YPS	657.07	71.7124	YPS	449.59
B6	Story3	End-I	-126.68	YPS	819.99	65.8244	YPS	411.34
B6	Story3	Middle	-31.67	YPS	259.11	51.4535	YPS	396.45
B6	Story3	End-J	-118.99	YPS	766.65	64.6217	YPS	403.56
B7	Story3	End-I	-118.99	YPS	766.65	64.6217	YPS	403.56
B7	Story3	Middle	-31.67	YPS	259.11	53.1543	YPS	396.45
B7	Story3	End-J	-126.68	YPS	819.99	65.8244	YPS	411.34

B8	Story3	End-I	-102.96	YPS	657.07	71.7124	YPS	449.59
B8	Story3	Middle	-27.13	YPS	221.44	42.8634	YPS	352.75
B8	Story3	End-J	-108.52	YPS	694.79	73.8542	YPS	463.57
B9	Story3	End-I	-118.99	YPS	766.65	64.6217	YPS	403.56
B9	Story3	Middle	-31.67	YPS	259.11	53.1543	YPS	396.45
B9	Story3	End-J	-126.68	YPS	819.99	65.8244	YPS	411.34
B10	Story3	End-I	-102.96	YPS	657.07	71.7124	YPS	449.59
B10	Story3	Middle	-27.13	YPS	221.44	42.8634	YPS	352.75
B10	Story3	End-J	-108.52	YPS	694.79	73.8542	YPS	463.57
B11	Story3	End-I	-108.52	YPS	694.79	73.8542	YPS	463.57
B11	Story3	Middle	-27.13	YPS	221.44	42.8634	YPS	352.75
B11	Story3	End-J	-102.96	YPS	657.07	71.7124	YPS	449.59
B12	Story3	End-I	-102.96	YPS	657.07	71.7124	YPS	449.59
B12	Story3	Middle	-27.13	YPS	221.44	42.8634	YPS	352.75
B12	Story3	End-J	-108.52	YPS	694.79	73.8542	YPS	463.57
B1	Story2	End-I	-116.12	YPS	746.89	81.9466	YPS	516.7
B1	Story2	Middle	-29.03	YPS	237.2	45.6104	YPS	375.91
B1	Story2	End-J	-111.27	YPS	713.59	79.2466	YPS	498.91
B2	Story2	End-I	-111.27	YPS	713.59	79.2466	YPS	498.91
B2	Story2	Middle	-29.03	YPS	237.2	45.6104	YPS	375.91
B2	Story2	End-J	-116.12	YPS	746.89	81.9466	YPS	516.7
B3	Story2	End-I	-116.12	YPS	746.89	81.9466	YPS	516.7
B3	Story2	Middle	-29.03	YPS	237.2	45.6104	YPS	375.91
B3	Story2	End-J	-111.27	YPS	713.59	79.2466	YPS	498.91
B4	Story2	End-I	-133.99	YPS	871.23	74.0472	YPS	464.83
B4	Story2	Middle	-33.50	YPS	274.32	53.5487	YPS	396.45
B4	Story2	End-J	-127.74	YPS	827.43	71.9591	YPS	451.2
B5	Story2	End-I	-116.12	YPS	746.89	81.9466	YPS	516.7
B5	Story2	Middle	-29.03	YPS	237.2	45.6104	YPS	375.91
B5	Story2	End-J	-111.27	YPS	713.59	79.2466	YPS	498.91
B6	Story2	End-I	-133.99	YPS	871.23	74.0472	YPS	464.83
B6	Story2	Middle	-33.50	YPS	274.32	53.5487	YPS	396.45
B6	Story2	End-J	-127.74	YPS	827.43	71.9591	YPS	451.2
B7	Story2	End-I	-127.74	YPS	827.43	71.9591	YPS	451.2
B7	Story2	Middle	-33.50	YPS	274.32	55.9514	YPS	396.45
B7	Story2	End-J	-133.99	YPS	871.23	74.0472	YPS	464.83
B8	Story2	End-I	-111.27	YPS	713.59	79.2466	YPS	498.91
B8	Story2	Middle	-29.03	YPS	237.2	45.6104	YPS	375.91
B8	Story2	End-J	-116.12	YPS	746.89	81.9466	YPS	516.7
B9	Story2	End-I	-127.74	YPS	827.43	71.9591	YPS	451.2

B9	Story2	Middle	-33.50	YPS	274.32	55.9514	YPS	396.45
B9	Story2	End-J	-133.99	YPS	871.23	74.0472	YPS	464.83
B10	Story2	End-I	-111.27	YPS	713.59	79.2466	YPS	498.91
B10	Story2	Middle	-29.03	YPS	237.2	45.6104	YPS	375.91
B10	Story2	End-J	-116.12	YPS	746.89	81.9466	YPS	516.7
B11	Story2	End-I	-116.12	YPS	746.89	81.9466	YPS	516.7
B11	Story2	Middle	-29.03	YPS	237.2	45.6104	YPS	375.91
B11	Story2	End-J	-111.27	YPS	713.59	79.2466	YPS	498.91
B12	Story2	End-I	-111.27	YPS	713.59	79.2466	YPS	498.91
B12	Story2	Middle	-29.03	YPS	237.2	45.6104	YPS	375.91
B12	Story2	End-J	-116.12	YPS	746.89	81.9466	YPS	516.7
B1	Story1	End-I	-98.88	YPS	629.56	66.8158	YPS	417.76
B1	Story1	Middle	-24.72	YPS	201.53	40.8759	YPS	336.05
B1	Story1	End-J	-96.78	YPS	615.39	63.0673	YPS	396.45
B2	Story1	End-I	-96.78	YPS	615.39	53.2769	YPS	396.45
B2	Story1	Middle	-24.72	YPS	201.53	40.8759	YPS	336.05
B2	Story1	End-J	-98.88	YPS	629.56	66.8158	YPS	417.76
B3	Story1	End-I	-98.88	YPS	629.56	66.8158	YPS	417.76
B3	Story1	Middle	-24.72	YPS	201.53	40.8759	YPS	336.05
B3	Story1	End-J	-96.78	YPS	615.39	63.0673	YPS	396.45
B4	Story1	End-I	-115.63	YPS	743.51	52.208	YPS	396.45
B4	Story1	Middle	-28.91	YPS	236.18	50.3353	Comb2	396.45
B4	Story1	End-J	-114.18	YPS	733.52	57.0894	YPS	396.45
B5	Story1	End-I	-98.88	YPS	629.56	66.8158	YPS	417.76
B5	Story1	Middle	-24.72	YPS	201.53	40.8759	YPS	336.05
B5	Story1	End-J	-96.78	YPS	615.39	63.0673	YPS	396.45
B6	Story1	End-I	-115.63	YPS	743.51	52.208	YPS	396.45
B6	Story1	Middle	-28.91	YPS	236.18	50.3353	Comb2	396.45
B6	Story1	End-J	-114.18	YPS	733.52	57.0894	YPS	396.45
B7	Story1	End-I	-114.18	YPS	733.52	50.4756	YPS	396.45
B7	Story1	Middle	-28.91	YPS	236.18	51.6657	YPS	396.45
B7	Story1	End-J	-115.63	YPS	743.51	59.4256	YPS	396.45
B8	Story1	End-I	-96.78	YPS	615.39	53.2769	YPS	396.45
B8	Story1	Middle	-24.72	YPS	201.53	40.8759	YPS	336.05
B8	Story1	End-J	-98.88	YPS	629.56	66.8158	YPS	417.76
B9	Story1	End-I	-114.18	YPS	733.52	50.4756	YPS	396.45
B9	Story1	Middle	-28.91	YPS	236.18	51.6657	YPS	396.45
B9	Story1	End-J	-115.63	YPS	743.51	59.4256	YPS	396.45
B10	Story1	End-I	-96.78	YPS	615.39	53.2769	YPS	396.45
B10	Story1	Middle	-24.72	YPS	201.53	40.8759	YPS	336.05

B10	Story1	End-J	-98.88	YPS	629.56	66.8158	YPS	417.76
B11	Story1	End-I	-98.88	YPS	629.56	66.8158	YPS	417.76
B11	Story1	Middle	-24.72	YPS	201.53	40.8759	YPS	336.05
B11	Story1	End-J	-96.78	YPS	615.39	63.0673	YPS	396.45
B12	Story1	End-I	-96.78	YPS	615.39	53.2769	YPS	396.45
B12	Story1	Middle	-24.72	YPS	201.53	40.8759	YPS	336.05
B12	Story1	End-J	-98.88	YPS	629.56	66.8158	YPS	417.76

3. Tulangan Desain DDBD 10 Lantai

TABLE: Concrete Column PMM Envelope DDBD 10 Lantai								
Label	Story	Section	Location	P	M Major	M Minor	PMM Combo	PMM Ratio or Rebar %
				kN	kN-m	kN-m		
C1	Story10	k70x70	Top	88.22	36.05	36.05	Comb2	1%
C1	Story10	k70x70	Bottom	136.72	-29.68	-29.68	Comb2	1%
C2	Story10	k70x70	Top	147.82	-5.37	64.47	Comb2	1%
C2	Story10	k70x70	Bottom	196.32	7.14	-53.23	Comb2	1%
C3	Story10	k70x70	Top	88.22	-36.05	36.05	Comb2	1%
C3	Story10	k70x70	Bottom	136.72	29.68	-29.68	Comb2	1%
C4	Story10	k70x70	Top	147.82	64.47	0.00	Comb2	1%
C4	Story10	k70x70	Bottom	196.32	-53.23	0.00	Comb2	1%
C5	Story10	k70x70	Top	252.26	9.18	0.00	Comb2	1%
C5	Story10	k70x70	Bottom	300.75	-10.95	0.00	Comb2	1%
C6	Story10	k70x70	Top	147.82	-64.47	0.00	Comb2	1%
C6	Story10	k70x70	Bottom	196.32	53.23	0.00	Comb2	1%
C7	Story10	k70x70	Top	88.22	36.05	-36.05	Comb2	1%
C7	Story10	k70x70	Bottom	136.72	-29.68	29.68	Comb2	1%
C8	Story10	k70x70	Top	147.82	-5.37	-64.47	Comb2	1%
C8	Story10	k70x70	Bottom	196.32	7.14	53.23	Comb2	1%
C9	Story10	k70x70	Top	88.22	-36.05	-36.05	Comb2	1%
C9	Story10	k70x70	Bottom	136.72	29.68	29.68	Comb2	1%
C1	Story9	k70x70	Top	226.70	13.55	13.55	Comb2	1%
C1	Story9	k70x70	Bottom	275.19	-22.38	-22.38	Comb2	1%
C2	Story9	k70x70	Top	343.95	-12.53	24.40	Comb2	1%
C2	Story9	k70x70	Bottom	392.44	14.31	-40.18	Comb2	1%
C3	Story9	k70x70	Top	226.70	-13.55	13.55	Comb2	1%
C3	Story9	k70x70	Bottom	275.19	22.38	-22.38	Comb2	1%
C4	Story9	k70x70	Top	343.95	24.40	0.00	Comb2	1%
C4	Story9	k70x70	Bottom	392.44	-40.18	0.00	Comb2	1%

C5	Story9	k70x70	Top	546.72	19.97	0.00	Comb2	1%
C5	Story9	k70x70	Bottom	595.21	-21.76	0.00	Comb2	1%
C6	Story9	k70x70	Top	343.95	-24.40	0.00	Comb2	1%
C6	Story9	k70x70	Bottom	392.44	40.18	0.00	Comb2	1%
C7	Story9	k70x70	Top	226.70	13.55	-13.55	Comb2	1%
C7	Story9	k70x70	Bottom	275.19	-22.38	22.38	Comb2	1%
C8	Story9	k70x70	Top	343.95	-12.53	-24.40	Comb2	1%
C8	Story9	k70x70	Bottom	392.44	14.31	40.18	Comb2	1%
C9	Story9	k70x70	Top	226.70	-13.55	-13.55	Comb2	1%
C9	Story9	k70x70	Bottom	275.19	22.38	22.38	Comb2	1%
C1	Story8	k70x70	Top	364.40	18.76	18.76	Comb2	1%
C1	Story8	k70x70	Bottom	412.89	-23.83	-23.83	Comb2	1%
C2	Story8	k70x70	Top	540.17	-19.74	33.65	Comb2	1%
C2	Story8	k70x70	Bottom	588.66	21.53	-42.78	Comb2	1%
C3	Story8	k70x70	Top	364.40	-18.76	18.76	Comb2	1%
C3	Story8	k70x70	Bottom	412.89	23.83	-23.83	Comb2	1%
C4	Story8	k70x70	Top	540.17	33.65	0.00	Comb2	1%
C4	Story8	k70x70	Bottom	588.66	-42.78	0.00	Comb2	1%
C5	Story8	k70x70	Top	843.93	30.97	0.00	Comb2	1%
C5	Story8	k70x70	Bottom	892.42	-32.78	0.00	Comb2	1%
C6	Story8	k70x70	Top	540.17	-33.65	0.00	Comb2	1%
C6	Story8	k70x70	Bottom	588.66	42.78	0.00	Comb2	1%
C7	Story8	k70x70	Top	364.40	18.76	-18.76	Comb2	1%
C7	Story8	k70x70	Bottom	412.89	-23.83	23.83	Comb2	1%
C8	Story8	k70x70	Top	540.17	-19.74	-33.65	Comb2	1%
C8	Story8	k70x70	Bottom	588.66	21.53	42.78	Comb2	1%
C9	Story8	k70x70	Top	364.40	-18.76	-18.76	Comb2	1%
C9	Story8	k70x70	Bottom	412.89	23.83	23.83	Comb2	1%
C1	Story7	k70x70	Top	501.72	18.18	17.23	Comb2	1%
C1	Story7	k70x70	Bottom	550.22	-23.05	-23.05	Comb2	1%
C2	Story7	k70x70	Top	736.44	-26.99	30.96	Comb2	1%
C2	Story7	k70x70	Bottom	784.93	28.79	-41.42	Comb2	1%
C3	Story7	k70x70	Top	501.72	-18.18	17.23	Comb2	1%
C3	Story7	k70x70	Bottom	550.22	23.05	-23.05	Comb2	1%
C4	Story7	k70x70	Top	736.44	30.96	0.00	Comb2	1%
C4	Story7	k70x70	Bottom	784.93	-41.42	0.00	Comb2	1%
C5	Story7	k70x70	Top	1142.40	42.11	0.00	Comb2	1%
C5	Story7	k70x70	Bottom	1190.89	-43.94	0.00	Comb2	1%
C6	Story7	k70x70	Top	736.44	-30.96	0.00	Comb2	1%
C6	Story7	k70x70	Bottom	784.93	41.42	0.00	Comb2	1%

C7	Story7	k70x70	Top	501.72	18.18	-17.23	Comb2	1%
C7	Story7	k70x70	Bottom	550.22	-23.05	23.05	Comb2	1%
C8	Story7	k70x70	Top	736.44	-26.99	-30.96	Comb2	1%
C8	Story7	k70x70	Bottom	784.93	28.79	41.42	Comb2	1%
C9	Story7	k70x70	Top	501.72	-18.18	-17.23	Comb2	1%
C9	Story7	k70x70	Bottom	550.22	23.05	23.05	Comb2	1%
C1	Story6	k70x70	Top	638.39	23.14	17.22	Comb2	1%
C1	Story6	k70x70	Bottom	686.88	-24.89	-22.69	Comb2	1%
C2	Story6	k70x70	Top	932.80	-34.29	30.96	Comb2	1%
C2	Story6	k70x70	Bottom	981.29	36.11	-40.81	Comb2	1%
C3	Story6	k70x70	Top	638.39	-23.14	17.22	Comb2	1%
C3	Story6	k70x70	Bottom	686.88	24.89	-22.69	Comb2	1%
C4	Story6	k70x70	Top	932.80	33.80	0.00	Comb2	1%
C4	Story6	k70x70	Bottom	981.29	-40.81	0.00	Comb2	1%
C5	Story6	k70x70	Top	1443.18	53.45	0.00	Comb2	1%
C5	Story6	k70x70	Bottom	1491.67	-55.29	0.00	Comb2	1%
C6	Story6	k70x70	Top	932.80	-33.80	0.00	Comb2	1%
C6	Story6	k70x70	Bottom	981.29	40.81	0.00	Comb2	1%
C7	Story6	k70x70	Top	638.39	23.14	-17.22	Comb2	1%
C7	Story6	k70x70	Bottom	686.88	-24.89	22.69	Comb2	1%
C8	Story6	k70x70	Top	932.80	-34.29	-30.96	Comb2	1%
C8	Story6	k70x70	Bottom	981.29	36.11	40.81	Comb2	1%
C9	Story6	k70x70	Top	638.39	-23.14	-17.22	Comb2	1%
C9	Story6	k70x70	Bottom	686.88	24.89	22.69	Comb2	1%
C1	Story5	k70x70	Top	774.25	28.06	16.75	Comb2	1%
C1	Story5	k70x70	Bottom	822.74	-29.82	-22.06	Comb2	1%
C2	Story5	k70x70	Top	1129.27	-41.64	30.14	Comb2	1%
C2	Story5	k70x70	Bottom	1177.76	43.47	-39.70	Comb2	1%
C3	Story5	k70x70	Top	774.25	-28.06	16.75	Comb2	1%
C3	Story5	k70x70	Bottom	822.74	29.82	-22.06	Comb2	1%
C4	Story5	k70x70	Top	1129.27	40.92	0.00	Comb2	1%
C4	Story5	k70x70	Bottom	1177.76	-42.68	0.00	Comb2	1%
C5	Story5	k70x70	Top	1746.73	64.99	0.00	Comb2	1%
C5	Story5	k70x70	Bottom	1795.22	-66.85	0.00	Comb2	1%
C6	Story5	k70x70	Top	1129.27	-40.92	0.00	Comb2	1%
C6	Story5	k70x70	Bottom	1177.76	42.68	0.00	Comb2	1%
C7	Story5	k70x70	Top	774.25	28.06	-16.75	Comb2	1%
C7	Story5	k70x70	Bottom	822.74	-29.82	22.06	Comb2	1%
C8	Story5	k70x70	Top	1129.27	-41.64	-30.14	Comb2	1%
C8	Story5	k70x70	Bottom	1177.76	43.47	39.70	Comb2	1%

C9	Story5	k70x70	Top	774.25	-28.06	-16.75	Comb2	1%
C9	Story5	k70x70	Bottom	822.74	29.82	22.06	Comb2	1%
C1	Story4	k70x70	Top	909.15	32.95	16.32	Comb2	1%
C1	Story4	k70x70	Bottom	957.64	-34.70	-21.58	Comb2	1%
C2	Story4	k70x70	Top	1325.86	-49.04	29.40	Comb2	1%
C2	Story4	k70x70	Bottom	1374.35	50.88	-38.89	Comb2	1%
C3	Story4	k70x70	Top	909.15	-32.95	16.32	Comb2	1%
C3	Story4	k70x70	Bottom	957.64	34.70	-21.58	Comb2	1%
C4	Story4	k70x70	Top	1325.86	48.05	0.00	Comb2	1%
C4	Story4	k70x70	Bottom	1374.35	-49.81	0.00	Comb2	1%
C5	Story4	k70x70	Top	2053.64	76.77	0.00	Comb2	1%
C5	Story4	k70x70	Bottom	2102.13	-78.65	0.00	Comb2	1%
C6	Story4	k70x70	Top	1325.86	-48.05	0.00	Comb2	1%
C6	Story4	k70x70	Bottom	1374.35	49.81	0.00	Comb2	1%
C7	Story4	k70x70	Top	909.15	32.95	-16.32	Comb2	1%
C7	Story4	k70x70	Bottom	957.64	-34.70	21.58	Comb2	1%
C8	Story4	k70x70	Top	1325.86	-49.04	-29.40	Comb2	1%
C8	Story4	k70x70	Bottom	1374.35	50.88	38.89	Comb2	1%
C9	Story4	k70x70	Top	909.15	-32.95	-16.32	Comb2	1%
C9	Story4	k70x70	Bottom	957.64	34.70	21.58	Comb2	1%
C1	Story3	k70x70	Top	1042.89	37.79	15.68	Comb2	1%
C1	Story3	k70x70	Bottom	1091.39	-39.55	-20.01	Comb2	1%
C2	Story3	k70x70	Top	1522.60	-56.49	28.28	Comb2	1%
C2	Story3	k70x70	Bottom	1571.09	58.35	-36.10	Comb2	1%
C3	Story3	k70x70	Top	1042.89	-37.79	15.68	Comb2	1%
C3	Story3	k70x70	Bottom	1091.39	39.55	-20.01	Comb2	1%
C4	Story3	k70x70	Top	1522.60	55.18	0.00	Comb2	1%
C4	Story3	k70x70	Bottom	1571.09	-56.94	0.00	Comb2	1%
C5	Story3	k70x70	Top	2364.57	88.82	0.00	Comb2	1%
C5	Story3	k70x70	Bottom	2413.06	-90.72	0.00	Comb2	1%
C6	Story3	k70x70	Top	1522.60	-55.18	0.00	Comb2	1%
C6	Story3	k70x70	Bottom	1571.09	56.94	0.00	Comb2	1%
C7	Story3	k70x70	Top	1042.89	37.79	-15.68	Comb2	1%
C7	Story3	k70x70	Bottom	1091.39	-39.55	20.01	Comb2	1%
C8	Story3	k70x70	Top	1522.60	56.49	-28.28	Comb2	1%
C8	Story3	k70x70	Bottom	1571.09	58.35	36.10	Comb2	1%
C9	Story3	k70x70	Top	1042.89	-37.79	-15.68	Comb2	1%
C9	Story3	k70x70	Bottom	1091.39	39.55	20.01	Comb2	1%
C1	Story2	k70x70	Top	1175.39	42.60	15.41	Comb2	1%
C1	Story2	k70x70	Bottom	1223.88	-44.35	-22.42	Comb2	1%

C2	Story2	k70x70	Top	1719.49	64.00	27.83	Comb2	1%
C2	Story2	k70x70	Bottom	1767.99	65.86	-40.49	Comb2	1%
C3	Story2	k70x70	Top	1175.39	-42.60	15.41	Comb2	1%
C3	Story2	k70x70	Bottom	1223.88	44.35	-22.42	Comb2	1%
C4	Story2	k70x70	Top	1719.49	62.31	0.00	Comb2	1%
C4	Story2	k70x70	Bottom	1767.99	-64.07	0.00	Comb2	1%
C5	Story2	k70x70	Top	2679.88	101.15	0.00	Comb2	1%
C5	Story2	k70x70	Bottom	2728.37	-103.08	0.00	Comb2	1%
C6	Story2	k70x70	Top	1719.49	-62.31	0.00	Comb2	1%
C6	Story2	k70x70	Bottom	1767.99	64.07	0.00	Comb2	1%
C7	Story2	k70x70	Top	1175.39	42.60	-15.41	Comb2	1%
C7	Story2	k70x70	Bottom	1223.88	-44.35	22.42	Comb2	1%
C8	Story2	k70x70	Top	1719.49	64.00	-27.83	Comb2	1%
C8	Story2	k70x70	Bottom	1767.99	65.86	40.49	Comb2	1%
C9	Story2	k70x70	Top	1175.39	-42.60	-15.41	Comb2	1%
C9	Story2	k70x70	Bottom	1223.88	44.35	22.42	Comb2	1%
C1	Story1	k70x70	Top	1306.16	47.34	13.20	Comb2	1%
C1	Story1	k70x70	Bottom	1354.66	-49.09	-7.74	Comb2	1%
C2	Story1	k70x70	Top	1916.58	71.56	23.84	Comb2	1%
C2	Story1	k70x70	Bottom	1965.08	73.43	-13.98	Comb2	1%
C3	Story1	k70x70	Top	1306.16	-47.34	13.20	Comb2	1%
C3	Story1	k70x70	Bottom	1354.66	49.09	-7.74	Comb2	1%
C4	Story1	k70x70	Top	1916.58	69.46	0.00	Comb2	1%
C4	Story1	k70x70	Bottom	1965.08	-71.21	0.00	Comb2	1%
C5	Story1	k70x70	Top	3001.30	113.85	0.00	Comb2	1%
C5	Story1	k70x70	Bottom	3049.79	115.80	0.00	Comb2	1%
C6	Story1	k70x70	Top	1916.58	-69.46	0.00	Comb2	1%
C6	Story1	k70x70	Bottom	1965.08	71.21	0.00	Comb2	1%
C7	Story1	k70x70	Top	1306.16	47.34	-13.20	Comb2	1%
C7	Story1	k70x70	Bottom	1354.66	-49.09	7.74	Comb2	1%
C8	Story1	k70x70	Top	1916.58	71.56	-23.84	Comb2	1%
C8	Story1	k70x70	Bottom	1965.08	73.43	13.98	Comb2	1%
C9	Story1	k70x70	Top	1306.16	-47.34	-13.20	Comb2	1%
C9	Story1	k70x70	Bottom	1354.66	49.09	7.74	Comb2	1%

TABLE: Concrete Beam Flexure Envelope DDBD 10 Lantai

Label	Story	Location	(-)	(-)	(+)	(+)	As Bot	
			Moment	Combo	As Top	Moment		Combo
			kN-m		mm ²	kN-m		mm ²
B1	Story10	End-I	-58.75	DDBD	396.45	29.38	DDBD	240.06

B1	Story10	Middle	-14.69	DDBD	119.13	27.33	Comb2	223.09
B1	Story10	End-J	-45.48	DDBD	374.83	25.69	DDBD	209.55
B2	Story10	End-I	-45.48	DDBD	374.83	25.69	DDBD	209.55
B2	Story10	Middle	-14.69	DDBD	119.13	27.33	Comb2	223.09
B2	Story10	End-J	-58.75	DDBD	396.45	29.38	DDBD	240.06
B3	Story10	End-I	-58.75	DDBD	396.45	29.38	DDBD	240.06
B3	Story10	Middle	-14.69	DDBD	119.13	27.33	Comb2	223.09
B3	Story10	End-J	-45.48	DDBD	374.83	25.69	DDBD	209.55
B4	Story10	End-I	-78.63	DDBD	494.88	39.32	DDBD	322.96
B4	Story10	Middle	-19.66	DDBD	159.85	50.72	Comb2	396.45
B4	Story10	End-J	-57.02	DDBD	396.45	32.13	DDBD	262.93
B5	Story10	End-I	-58.75	DDBD	396.45	29.38	DDBD	240.06
B5	Story10	Middle	-14.69	DDBD	119.13	27.33	Comb2	223.09
B5	Story10	End-J	-45.48	DDBD	374.83	25.69	DDBD	209.55
B6	Story10	End-I	-78.63	DDBD	494.88	39.32	DDBD	322.96
B6	Story10	Middle	-19.66	DDBD	159.85	50.72	Comb2	396.45
B6	Story10	End-J	-57.02	DDBD	396.45	32.13	DDBD	262.93
B7	Story10	End-I	-57.02	DDBD	396.45	32.13	DDBD	262.93
B7	Story10	Middle	-19.66	DDBD	159.85	49.07	Comb2	396.45
B7	Story10	End-J	-78.63	DDBD	494.88	39.32	DDBD	322.96
B8	Story10	End-I	-45.48	DDBD	374.83	25.69	DDBD	209.55
B8	Story10	Middle	-14.69	DDBD	119.13	27.33	Comb2	223.09
B8	Story10	End-J	-58.75	DDBD	396.45	29.38	DDBD	240.06
B9	Story10	End-I	-57.02	DDBD	396.45	32.13	DDBD	262.93
B9	Story10	Middle	-19.66	DDBD	159.85	49.07	Comb2	396.45
B9	Story10	End-J	-78.63	DDBD	494.88	39.32	DDBD	322.96
B10	Story10	End-I	-45.48	DDBD	374.83	25.69	DDBD	209.55
B10	Story10	Middle	-14.69	DDBD	119.13	27.33	Comb2	223.09
B10	Story10	End-J	-58.75	DDBD	396.45	29.38	DDBD	240.06
B11	Story10	End-I	-58.75	DDBD	396.45	29.38	DDBD	240.06
B11	Story10	Middle	-14.69	DDBD	119.13	27.33	Comb2	223.09
B11	Story10	End-J	-45.48	DDBD	374.83	25.69	DDBD	209.55
B12	Story10	End-I	-45.48	DDBD	374.83	25.69	DDBD	209.55
B12	Story10	Middle	-14.69	DDBD	119.13	27.33	Comb2	223.09
B12	Story10	End-J	-58.75	DDBD	396.45	29.38	DDBD	240.06
B1	Story9	End-I	-74.10	DDBD	465.14	37.05	DDBD	303.96
B1	Story9	Middle	-18.52	DDBD	150.54	30.90	DDBD	252.74
B1	Story9	End-J	-58.40	DDBD	396.45	38.13	DDBD	313.03
B2	Story9	End-I	-58.40	DDBD	396.45	38.13	DDBD	313.03
B2	Story9	Middle	-18.52	DDBD	150.54	30.90	DDBD	252.74

B2	Story9	End-J	-74.10	DDBD	465.14	37.05	DDBD	303.96
B3	Story9	End-I	-74.10	DDBD	465.14	37.05	DDBD	303.96
B3	Story9	Middle	-18.52	DDBD	150.54	30.90	DDBD	252.74
B3	Story9	End-J	-58.40	DDBD	396.45	38.13	DDBD	313.03
B4	Story9	End-I	-95.66	DDBD	607.93	47.83	DDBD	394.69
B4	Story9	Middle	-23.92	DDBD	194.89	50.05	Comb2	396.45
B4	Story9	End-J	-69.27	DDBD	433.69	40.35	DDBD	331.6
B5	Story9	End-I	-74.10	DDBD	465.14	37.05	DDBD	303.96
B5	Story9	Middle	-18.52	DDBD	150.54	30.90	DDBD	252.74
B5	Story9	End-J	-58.40	DDBD	396.45	38.13	DDBD	313.03
B6	Story9	End-I	-95.66	DDBD	607.93	47.83	DDBD	394.69
B6	Story9	Middle	-23.92	DDBD	194.89	50.05	Comb2	396.45
B6	Story9	End-J	-69.27	DDBD	433.69	40.35	DDBD	331.6
B7	Story9	End-I	-69.27	DDBD	433.69	40.35	DDBD	331.6
B7	Story9	Middle	-23.92	DDBD	194.89	50.05	Comb2	396.45
B7	Story9	End-J	-95.66	DDBD	607.93	47.83	DDBD	394.69
B8	Story9	End-I	-58.40	DDBD	396.45	38.13	DDBD	313.03
B8	Story9	Middle	-18.52	DDBD	150.54	30.90	DDBD	252.74
B8	Story9	End-J	-74.10	DDBD	465.14	37.05	DDBD	303.96
B9	Story9	End-I	-69.27	DDBD	433.69	40.35	DDBD	331.6
B9	Story9	Middle	-23.92	DDBD	194.89	50.05	Comb2	396.45
B9	Story9	End-J	-95.66	DDBD	607.93	47.83	DDBD	394.69
B10	Story9	End-I	-58.40	DDBD	396.45	38.13	DDBD	313.03
B10	Story9	Middle	-18.52	DDBD	150.54	30.90	DDBD	252.74
B10	Story9	End-J	-74.10	DDBD	465.14	37.05	DDBD	303.96
B11	Story9	End-I	-74.10	DDBD	465.14	37.05	DDBD	303.96
B11	Story9	Middle	-18.52	DDBD	150.54	30.90	DDBD	252.74
B11	Story9	End-J	-58.40	DDBD	396.45	38.13	DDBD	313.03
B12	Story9	End-I	-58.40	DDBD	396.45	38.13	DDBD	313.03
B12	Story9	Middle	-18.52	DDBD	150.54	30.90	DDBD	252.74
B12	Story9	End-J	-74.10	DDBD	465.14	37.05	DDBD	303.96
B1	Story8	End-I	-89.50	DDBD	566.74	48.71	DDBD	396.45
B1	Story8	Middle	-22.37	DDBD	182.19	35.85	DDBD	293.97
B1	Story8	End-J	-74.62	DDBD	468.56	53.55	DDBD	396.45
B2	Story8	End-I	-74.62	DDBD	468.56	53.55	DDBD	396.45
B2	Story8	Middle	-22.37	DDBD	182.19	35.85	DDBD	293.97
B2	Story8	End-J	-89.50	DDBD	566.74	48.71	DDBD	396.45
B3	Story8	End-I	-89.50	DDBD	566.74	48.71	DDBD	396.45
B3	Story8	Middle	-22.37	DDBD	182.19	35.85	DDBD	293.97
B3	Story8	End-J	-74.62	DDBD	468.56	53.55	DDBD	396.45

B4	Story8	End-I	-110.44	DDBD	707.96	55.22	DDBD	396.45
B4	Story8	Middle	-27.61	DDBD	225.43	48.15	DDBD	396.45
B4	Story8	End-J	-85.87	DDBD	542.65	48.58	DDBD	396.45
B5	Story8	End-I	-89.50	DDBD	566.74	48.71	DDBD	396.45
B5	Story8	Middle	-22.37	DDBD	182.19	35.85	DDBD	293.97
B5	Story8	End-J	-74.62	DDBD	468.56	53.55	DDBD	396.45
B6	Story8	End-I	-110.44	DDBD	707.96	55.22	DDBD	396.45
B6	Story8	Middle	-27.61	DDBD	225.43	48.15	DDBD	396.45
B6	Story8	End-J	-85.87	DDBD	542.65	48.58	DDBD	396.45
B7	Story8	End-I	-85.87	DDBD	542.65	48.52	DDBD	396.45
B7	Story8	Middle	-27.61	DDBD	225.43	48.25	Comb2	396.45
B7	Story8	End-J	-110.44	DDBD	707.96	55.22	DDBD	396.45
B8	Story8	End-I	-74.62	DDBD	468.56	53.55	DDBD	396.45
B8	Story8	Middle	-22.37	DDBD	182.19	35.85	DDBD	293.97
B8	Story8	End-J	-89.50	DDBD	566.74	48.71	DDBD	396.45
B9	Story8	End-I	-85.87	DDBD	542.65	48.52	DDBD	396.45
B9	Story8	Middle	-27.61	DDBD	225.43	48.25	Comb2	396.45
B9	Story8	End-J	-110.44	DDBD	707.96	55.22	DDBD	396.45
B10	Story8	End-I	-74.62	DDBD	468.56	53.55	DDBD	396.45
B10	Story8	Middle	-22.37	DDBD	182.19	35.85	DDBD	293.97
B10	Story8	End-J	-89.50	DDBD	566.74	48.71	DDBD	396.45
B11	Story8	End-I	-89.50	DDBD	566.74	48.71	DDBD	396.45
B11	Story8	Middle	-22.37	DDBD	182.19	35.85	DDBD	293.97
B11	Story8	End-J	-74.62	DDBD	468.56	53.55	DDBD	396.45
B12	Story8	End-I	-74.62	DDBD	468.56	53.55	DDBD	396.45
B12	Story8	Middle	-22.37	DDBD	182.19	35.85	DDBD	293.97
B12	Story8	End-J	-89.50	DDBD	566.74	48.71	DDBD	396.45
B1	Story7	End-I	-105.75	DDBD	675.96	65.37	DDBD	408.4
B1	Story7	Middle	-26.44	DDBD	215.71	41.02	DDBD	337.26
B1	Story7	End-J	-91.24	DDBD	578.32	69.63	DDBD	436.03
B2	Story7	End-I	-91.24	DDBD	578.32	69.63	DDBD	436.03
B2	Story7	Middle	-26.44	DDBD	215.71	41.02	DDBD	337.26
B2	Story7	End-J	-105.75	DDBD	675.96	65.37	DDBD	408.4
B3	Story7	End-I	-105.75	DDBD	675.96	65.37	DDBD	408.4
B3	Story7	Middle	-26.44	DDBD	215.71	41.02	DDBD	337.26
B3	Story7	End-J	-91.24	DDBD	578.32	69.63	DDBD	436.03
B4	Story7	End-I	-126.50	DDBD	818.74	51.48	DDBD	396.45
B4	Story7	Middle	-31.62	DDBD	258.73	53.21	DDBD	396.45
B4	Story7	End-J	-102.75	DDBD	655.65	64.54	DDBD	403.03
B5	Story7	End-I	-105.75	DDBD	675.96	65.37	DDBD	408.4

B5	Story7	Middle	-26.44	DDBD	215.71	41.02	DDBD	337.26
B5	Story7	End-J	-91.24	DDBD	578.32	69.63	DDBD	436.03
B6	Story7	End-I	-126.50	DDBD	818.74	51.48	DDBD	396.45
B6	Story7	Middle	-31.62	DDBD	258.73	53.21	DDBD	396.45
B6	Story7	End-J	-102.75	DDBD	655.65	64.54	DDBD	403.03
B7	Story7	End-I	-102.75	DDBD	655.65	64.54	DDBD	403.03
B7	Story7	Middle	-31.62	DDBD	258.73	48.23	Comb2	396.45
B7	Story7	End-J	-126.50	DDBD	818.74	63.25	DDBD	396.45
B8	Story7	End-I	-91.24	DDBD	578.32	69.63	DDBD	436.03
B8	Story7	Middle	-26.44	DDBD	215.71	41.02	DDBD	337.26
B8	Story7	End-J	-105.75	DDBD	675.96	65.37	DDBD	408.4
B9	Story7	End-I	-102.75	DDBD	655.65	64.54	DDBD	403.03
B9	Story7	Middle	-31.62	DDBD	258.73	48.23	Comb2	396.45
B9	Story7	End-J	-126.50	DDBD	818.74	63.25	DDBD	396.45
B10	Story7	End-I	-91.24	DDBD	578.32	69.63	DDBD	436.03
B10	Story7	Middle	-26.44	DDBD	215.71	41.02	DDBD	337.26
B10	Story7	End-J	-105.75	DDBD	675.96	65.37	DDBD	408.4
B11	Story7	End-I	-105.75	DDBD	675.96	65.37	DDBD	408.4
B11	Story7	Middle	-26.44	DDBD	215.71	41.02	DDBD	337.26
B11	Story7	End-J	-91.24	DDBD	578.32	69.63	DDBD	436.03
B12	Story7	End-I	-91.24	DDBD	578.32	69.63	DDBD	436.03
B12	Story7	Middle	-26.44	DDBD	215.71	41.02	DDBD	337.26
B12	Story7	End-J	-105.75	DDBD	675.96	65.37	DDBD	408.4
B1	Story6	End-I	-120.55	DDBD	777.45	81.05	DDBD	510.81
B1	Story6	Middle	-30.14	DDBD	246.39	45.74	DDBD	376.97
B1	Story6	End-J	-106.90	DDBD	683.83	84.43	DDBD	533.11
B2	Story6	End-I	-106.90	DDBD	683.83	84.43	DDBD	533.11
B2	Story6	Middle	-30.14	DDBD	246.39	45.74	DDBD	376.97
B2	Story6	End-J	-120.55	DDBD	777.45	81.05	DDBD	510.81
B3	Story6	End-I	-120.55	DDBD	777.45	81.05	DDBD	510.81
B3	Story6	Middle	-30.14	DDBD	246.39	45.74	DDBD	376.97
B3	Story6	End-J	-106.90	DDBD	683.83	84.43	DDBD	533.11
B4	Story6	End-I	-140.89	DDBD	920.04	72.07	DDBD	451.89
B4	Story6	Middle	-35.22	DDBD	288.70	57.79	DDBD	396.45
B4	Story6	End-J	-118.83	DDBD	765.53	79.16	DDBD	498.33
B5	Story6	End-I	-120.55	DDBD	777.45	81.05	DDBD	510.81
B5	Story6	Middle	-30.14	DDBD	246.39	45.74	DDBD	376.97
B5	Story6	End-J	-106.90	DDBD	683.83	84.43	DDBD	533.11
B6	Story6	End-I	-140.89	DDBD	920.04	72.07	DDBD	451.89
B6	Story6	Middle	-35.22	DDBD	288.70	57.79	DDBD	396.45

B6	Story6	End-J	-118.83	DDBD	765.53	79.16	DDBD	498.33
B7	Story6	End-I	-118.83	DDBD	765.53	79.16	DDBD	498.33
B7	Story6	Middle	-35.22	DDBD	288.70	53.02	DDBD	396.45
B7	Story6	End-J	-140.89	DDBD	920.04	72.07	DDBD	451.89
B8	Story6	End-I	-106.90	DDBD	683.83	84.43	DDBD	533.11
B8	Story6	Middle	-30.14	DDBD	246.39	45.74	DDBD	376.97
B8	Story6	End-J	-120.55	DDBD	777.45	81.05	DDBD	510.81
B9	Story6	End-I	-118.83	DDBD	765.53	79.16	DDBD	498.33
B9	Story6	Middle	-35.22	DDBD	288.70	53.02	DDBD	396.45
B9	Story6	End-J	-140.89	DDBD	920.04	72.07	DDBD	451.89
B10	Story6	End-I	-106.90	DDBD	683.83	84.43	DDBD	533.11
B10	Story6	Middle	-30.14	DDBD	246.39	45.74	DDBD	376.97
B10	Story6	End-J	-120.55	DDBD	777.45	81.05	DDBD	510.81
B11	Story6	End-I	-120.55	DDBD	777.45	81.05	DDBD	510.81
B11	Story6	Middle	-30.14	DDBD	246.39	45.74	DDBD	376.97
B11	Story6	End-J	-106.90	DDBD	683.83	84.43	DDBD	533.11
B12	Story6	End-I	-106.90	DDBD	683.83	84.43	DDBD	533.11
B12	Story6	Middle	-30.14	DDBD	246.39	45.74	DDBD	376.97
B12	Story6	End-J	-120.55	DDBD	777.45	81.05	DDBD	510.81
B1	Story5	End-I	-133.07	DDBD	864.80	94.60	DDBD	600.79
B1	Story5	Middle	-33.27	DDBD	272.42	49.71	DDBD	396.45
B1	Story5	End-J	-120.58	DDBD	777.62	97.05	DDBD	617.25
B2	Story5	End-I	-120.58	DDBD	777.62	97.05	DDBD	617.25
B2	Story5	Middle	-33.27	DDBD	272.42	48.50	DDBD	396.45
B2	Story5	End-J	-133.07	DDBD	864.80	94.60	DDBD	600.79
B3	Story5	End-I	-133.07	DDBD	864.80	94.60	DDBD	600.79
B3	Story5	Middle	-33.27	DDBD	272.42	49.71	DDBD	396.45
B3	Story5	End-J	-120.58	DDBD	777.62	97.05	DDBD	617.25
B4	Story5	End-I	-152.91	DDBD	1006.26	85.83	DDBD	542.36
B4	Story5	Middle	-38.23	DDBD	313.84	61.59	DDBD	396.45
B4	Story5	End-J	-133.01	DDBD	864.34	91.56	DDBD	580.45
B5	Story5	End-I	-133.07	DDBD	864.80	94.60	DDBD	600.79
B5	Story5	Middle	-33.27	DDBD	272.42	49.71	DDBD	396.45
B5	Story5	End-J	-120.58	DDBD	777.62	97.05	DDBD	617.25
B6	Story5	End-I	-152.91	DDBD	1006.26	85.83	DDBD	542.36
B6	Story5	Middle	-38.23	DDBD	313.84	61.59	DDBD	396.45
B6	Story5	End-J	-133.01	DDBD	864.34	91.56	DDBD	580.45
B7	Story5	End-I	-133.01	DDBD	864.34	91.56	DDBD	580.45
B7	Story5	Middle	-38.23	DDBD	313.84	57.91	DDBD	396.45
B7	Story5	End-J	-152.91	DDBD	1006.26	85.83	DDBD	542.36

B8	Story5	End-I	-120.58	DDBD	777.62	97.05	DDBD	617.25
B8	Story5	Middle	-33.27	DDBD	272.42	48.50	DDBD	396.45
B8	Story5	End-J	-133.07	DDBD	864.80	94.60	DDBD	600.79
B9	Story5	End-I	-133.01	DDBD	864.34	91.56	DDBD	580.45
B9	Story5	Middle	-38.23	DDBD	313.84	57.91	DDBD	396.45
B9	Story5	End-J	-152.91	DDBD	1006.26	85.83	DDBD	542.36
B10	Story5	End-I	-120.58	DDBD	777.62	97.05	DDBD	617.25
B10	Story5	Middle	-33.27	DDBD	272.42	48.50	DDBD	396.45
B10	Story5	End-J	-133.07	DDBD	864.80	94.60	DDBD	600.79
B11	Story5	End-I	-133.07	DDBD	864.80	94.60	DDBD	600.79
B11	Story5	Middle	-33.27	DDBD	272.42	49.71	DDBD	396.45
B11	Story5	End-J	-120.58	DDBD	777.62	97.05	DDBD	617.25
B12	Story5	End-I	-120.58	DDBD	777.62	97.05	DDBD	617.25
B12	Story5	Middle	-33.27	DDBD	272.42	48.50	DDBD	396.45
B12	Story5	End-J	-133.07	DDBD	864.80	94.60	DDBD	600.79
B1	Story4	End-I	-141.92	DDBD	927.36	104.69	DDBD	668.77
B1	Story4	Middle	-35.48	DDBD	290.85	52.51	DDBD	396.45
B1	Story4	End-J	-130.94	DDBD	849.83	106.14	DDBD	678.66
B2	Story4	End-I	-130.94	DDBD	849.83	106.14	DDBD	678.66
B2	Story4	Middle	-35.48	DDBD	290.85	52.08	DDBD	396.45
B2	Story4	End-J	-141.92	DDBD	927.36	104.69	DDBD	668.77
B3	Story4	End-I	-141.92	DDBD	927.36	104.69	DDBD	668.77
B3	Story4	Middle	-35.48	DDBD	290.85	52.51	DDBD	396.45
B3	Story4	End-J	-130.94	DDBD	849.83	106.14	DDBD	678.66
B4	Story4	End-I	-161.15	DDBD	1066.16	96.18	DDBD	611.4
B4	Story4	Middle	-40.29	DDBD	331.11	64.18	DDBD	400.67
B4	Story4	End-J	-143.99	DDBD	942.16	100.37	DDBD	639.6
B5	Story4	End-I	-141.92	DDBD	927.36	104.69	DDBD	668.77
B5	Story4	Middle	-35.48	DDBD	290.85	52.51	DDBD	396.45
B5	Story4	End-J	-130.94	DDBD	849.83	106.14	DDBD	678.66
B6	Story4	End-I	-161.15	DDBD	1066.16	96.18	DDBD	611.4
B6	Story4	Middle	-40.29	DDBD	331.11	64.18	DDBD	400.67
B6	Story4	End-J	-143.99	DDBD	942.16	100.37	DDBD	639.6
B7	Story4	End-I	-143.99	DDBD	942.16	100.37	DDBD	639.6
B7	Story4	Middle	-40.29	DDBD	331.11	64.18	DDBD	400.67
B7	Story4	End-J	-161.15	DDBD	1066.16	96.18	DDBD	611.4
B8	Story4	End-I	-130.94	DDBD	849.83	106.14	DDBD	678.66
B8	Story4	Middle	-35.48	DDBD	290.85	52.08	DDBD	396.45
B8	Story4	End-J	-141.92	DDBD	927.36	104.69	DDBD	668.77
B9	Story4	End-I	-143.99	DDBD	942.16	100.37	DDBD	639.6

B9	Story4	Middle	-40.29	DDBD	331.11	64.18	DDBD	400.67
B9	Story4	End-J	-161.15	DDBD	1066.16	96.18	DDBD	611.4
B10	Story4	End-I	-130.94	DDBD	849.83	106.14	DDBD	678.66
B10	Story4	Middle	-35.48	DDBD	290.85	52.08	DDBD	396.45
B10	Story4	End-J	-141.92	DDBD	927.36	104.69	DDBD	668.77
B11	Story4	End-I	-141.92	DDBD	927.36	104.69	DDBD	668.77
B11	Story4	Middle	-35.48	DDBD	290.85	52.51	DDBD	396.45
B11	Story4	End-J	-130.94	DDBD	849.83	106.14	DDBD	678.66
B12	Story4	End-I	-130.94	DDBD	849.83	106.14	DDBD	678.66
B12	Story4	Middle	-35.48	DDBD	290.85	52.08	DDBD	396.45
B12	Story4	End-J	-141.92	DDBD	927.36	104.69	DDBD	668.77
B1	Story3	End-I	-144.56	DDBD	946.22	108.82	DDBD	696.88
B1	Story3	Middle	-36.14	DDBD	296.37	53.32	DDBD	396.45
B1	Story3	End-J	-135.55	DDBD	882.26	109.24	DDBD	699.76
B2	Story3	End-I	-135.55	DDBD	882.26	109.24	DDBD	699.76
B2	Story3	Middle	-36.14	DDBD	296.37	53.67	DDBD	396.45
B2	Story3	End-J	-144.56	DDBD	946.22	108.82	DDBD	696.88
B3	Story3	End-I	-144.56	DDBD	946.22	108.82	DDBD	696.88
B3	Story3	Middle	-36.14	DDBD	296.37	53.32	DDBD	396.45
B3	Story3	End-J	-135.55	DDBD	882.26	109.24	DDBD	699.76
B4	Story3	End-I	-163.06	DDBD	1080.18	100.64	DDBD	641.4
B4	Story3	Middle	-40.77	DDBD	335.12	64.74	DDBD	404.29
B4	Story3	End-J	-149.34	DDBD	980.48	103.15	DDBD	658.34
B5	Story3	End-I	-144.56	DDBD	946.22	108.82	DDBD	696.88
B5	Story3	Middle	-36.14	DDBD	296.37	53.32	DDBD	396.45
B5	Story3	End-J	-135.55	DDBD	882.26	109.24	DDBD	699.76
B6	Story3	End-I	-163.06	DDBD	1080.18	100.64	DDBD	641.4
B6	Story3	Middle	-40.77	DDBD	335.12	64.74	DDBD	404.29
B6	Story3	End-J	-149.34	DDBD	980.48	103.15	DDBD	658.34
B7	Story3	End-I	-149.34	DDBD	980.48	103.15	DDBD	658.34
B7	Story3	Middle	-40.77	DDBD	335.12	64.74	DDBD	404.29
B7	Story3	End-J	-163.06	DDBD	1080.18	100.64	DDBD	641.4
B8	Story3	End-I	-135.55	DDBD	882.26	109.24	DDBD	699.76
B8	Story3	Middle	-36.14	DDBD	296.37	53.67	DDBD	396.45
B8	Story3	End-J	-144.56	DDBD	946.22	108.82	DDBD	696.88
B9	Story3	End-I	-149.34	DDBD	980.48	103.15	DDBD	658.34
B9	Story3	Middle	-40.77	DDBD	335.12	64.74	DDBD	404.29
B9	Story3	End-J	-163.06	DDBD	1080.18	100.64	DDBD	641.4
B10	Story3	End-I	-135.55	DDBD	882.26	109.24	DDBD	699.76
B10	Story3	Middle	-36.14	DDBD	296.37	53.67	DDBD	396.45

B10	Story3	End-J	-144.56	DDBD	946.22	108.82	DDBD	696.88
B11	Story3	End-I	-144.56	DDBD	946.22	108.82	DDBD	696.88
B11	Story3	Middle	-36.14	DDBD	296.37	53.32	DDBD	396.45
B11	Story3	End-J	-135.55	DDBD	882.26	109.24	DDBD	699.76
B12	Story3	End-I	-135.55	DDBD	882.26	109.24	DDBD	699.76
B12	Story3	Middle	-36.14	DDBD	296.37	53.67	DDBD	396.45
B12	Story3	End-J	-144.56	DDBD	946.22	108.82	DDBD	696.88
B1	Story2	End-I	-135.77	DDBD	883.76	101.61	DDBD	647.92
B1	Story2	Middle	-33.94	DDBD	278.02	50.44	DDBD	396.45
B1	Story2	End-J	-129.14	DDBD	837.23	101.16	DDBD	644.9
B2	Story2	End-I	-129.14	DDBD	837.23	101.16	DDBD	644.9
B2	Story2	Middle	-33.94	DDBD	278.02	51.40	DDBD	396.45
B2	Story2	End-J	-135.77	DDBD	883.76	101.61	DDBD	647.92
B3	Story2	End-I	-135.77	DDBD	883.76	101.61	DDBD	647.92
B3	Story2	Middle	-33.94	DDBD	278.02	50.44	DDBD	396.45
B3	Story2	End-J	-129.14	DDBD	837.23	101.16	DDBD	644.9
B4	Story2	End-I	-153.49	DDBD	1010.43	93.77	DDBD	595.25
B4	Story2	Middle	-38.37	DDBD	315.05	61.57	DDBD	396.45
B4	Story2	End-J	-143.76	DDBD	940.51	94.70	DDBD	601.44
B5	Story2	End-I	-135.77	DDBD	883.76	101.61	DDBD	647.92
B5	Story2	Middle	-33.94	DDBD	278.02	50.44	DDBD	396.45
B5	Story2	End-J	-129.14	DDBD	837.23	101.16	DDBD	644.9
B6	Story2	End-I	-153.49	DDBD	1010.43	93.77	DDBD	595.25
B6	Story2	Middle	-38.37	DDBD	315.05	61.57	DDBD	396.45
B6	Story2	End-J	-143.76	DDBD	940.51	94.70	DDBD	601.44
B7	Story2	End-I	-143.76	DDBD	940.51	94.70	DDBD	601.44
B7	Story2	Middle	-38.37	DDBD	315.05	61.48	DDBD	396.45
B7	Story2	End-J	-153.49	DDBD	1010.43	93.77	DDBD	595.25
B8	Story2	End-I	-129.14	DDBD	837.23	101.16	DDBD	644.9
B8	Story2	Middle	-33.94	DDBD	278.02	51.40	DDBD	396.45
B8	Story2	End-J	-135.77	DDBD	883.76	101.61	DDBD	647.92
B9	Story2	End-I	-143.76	DDBD	940.51	94.70	DDBD	601.44
B9	Story2	Middle	-38.37	DDBD	315.05	61.48	DDBD	396.45
B9	Story2	End-J	-153.49	DDBD	1010.43	93.77	DDBD	595.25
B10	Story2	End-I	-129.14	DDBD	837.23	101.16	DDBD	644.9
B10	Story2	Middle	-33.94	DDBD	278.02	51.40	DDBD	396.45
B10	Story2	End-J	-135.77	DDBD	883.76	101.61	DDBD	647.92
B11	Story2	End-I	-135.77	DDBD	883.76	101.61	DDBD	647.92
B11	Story2	Middle	-33.94	DDBD	278.02	50.44	DDBD	396.45
B11	Story2	End-J	-129.14	DDBD	837.23	101.16	DDBD	644.9

B12	Story2	End-I	-129.14	DDBD	837.23	101.16	DDBD	644.9
B12	Story2	Middle	-33.94	DDBD	278.02	51.40	DDBD	396.45
B12	Story2	End-J	-135.77	DDBD	883.76	101.61	DDBD	647.92
B1	Story1	End-I	-103.16	DDBD	658.43	71.37	DDBD	447.34
B1	Story1	Middle	-25.79	DDBD	210.37	41.50	DDBD	341.31
B1	Story1	End-J	-100.11	DDBD	637.81	69.97	DDBD	438.26
B2	Story1	End-I	-100.11	DDBD	637.81	69.97	DDBD	438.26
B2	Story1	Middle	-25.79	DDBD	210.37	41.50	DDBD	341.31
B2	Story1	End-J	-103.16	DDBD	658.43	71.37	DDBD	447.34
B3	Story1	End-I	-103.16	DDBD	658.43	71.37	DDBD	447.34
B3	Story1	Middle	-25.79	DDBD	210.37	41.50	DDBD	341.31
B3	Story1	End-J	-100.11	DDBD	637.81	69.97	DDBD	438.26
B4	Story1	End-I	-119.71	DDBD	771.60	64.07	DDBD	399.97
B4	Story1	Middle	-29.93	DDBD	244.63	50.79	DDBD	396.45
B4	Story1	End-J	-115.82	DDBD	744.76	63.04	DDBD	396.45
B5	Story1	End-I	-103.16	DDBD	658.43	71.37	DDBD	447.34
B5	Story1	Middle	-25.79	DDBD	210.37	41.50	DDBD	341.31
B5	Story1	End-J	-100.11	DDBD	637.81	69.97	DDBD	438.26
B6	Story1	End-I	-119.71	DDBD	771.60	64.07	DDBD	399.97
B6	Story1	Middle	-29.93	DDBD	244.63	50.79	DDBD	396.45
B6	Story1	End-J	-115.82	DDBD	744.76	63.04	DDBD	396.45
B7	Story1	End-I	-115.82	DDBD	744.76	53.15	DDBD	396.45
B7	Story1	Middle	-29.93	DDBD	244.63	52.03	DDBD	396.45
B7	Story1	End-J	-119.71	DDBD	771.60	64.07	DDBD	399.97
B8	Story1	End-I	-100.11	DDBD	637.81	69.97	DDBD	438.26
B8	Story1	Middle	-25.79	DDBD	210.37	41.50	DDBD	341.31
B8	Story1	End-J	-103.16	DDBD	658.43	71.37	DDBD	447.34
B9	Story1	End-I	-115.82	DDBD	744.76	53.15	DDBD	396.45
B9	Story1	Middle	-29.93	DDBD	244.63	52.03	DDBD	396.45
B9	Story1	End-J	-119.71	DDBD	771.60	64.07	DDBD	399.97
B10	Story1	End-I	-100.11	DDBD	637.81	69.97	DDBD	438.26
B10	Story1	Middle	-25.79	DDBD	210.37	41.50	DDBD	341.31
B10	Story1	End-J	-103.16	DDBD	658.43	71.37	DDBD	447.34
B11	Story1	End-I	-103.16	DDBD	658.43	71.37	DDBD	447.34
B11	Story1	Middle	-25.79	DDBD	210.37	41.50	DDBD	341.31
B11	Story1	End-J	-100.11	DDBD	637.81	69.97	DDBD	438.26
B12	Story1	End-I	-100.11	DDBD	637.81	69.97	DDBD	438.26
B12	Story1	Middle	-25.79	DDBD	210.37	41.50	DDBD	341.31
B12	Story1	End-J	-103.16	DDBD	658.43	71.37	DDBD	447.34

4. Tulangan desain YPS 10 lantai

TABLE: Concrete Column PMM Envelope YPS 10 Lantai								
Label	Story	Section	Location	P	M Major	M Minor	PMM Combo	PMM Ratio or Rebar %
				kN	kN-m	kN-m		
C1	Story10	k70x70	Top	88.22	36.05	36.05	Comb2	1%
C1	Story10	k70x70	Bottom	136.72	-29.68	-29.68	Comb2	1%
C2	Story10	k70x70	Top	147.82	-5.37	64.47	Comb2	1%
C2	Story10	k70x70	Bottom	196.32	7.14	-53.23	Comb2	1%
C3	Story10	k70x70	Top	88.22	-36.05	36.05	Comb2	1%
C3	Story10	k70x70	Bottom	136.72	29.68	-29.68	Comb2	1%
C4	Story10	k70x70	Top	147.82	64.47	0.00	Comb2	1%
C4	Story10	k70x70	Bottom	196.32	-53.23	0.00	Comb2	1%
C5	Story10	k70x70	Top	252.26	9.18	0.00	Comb2	1%
C5	Story10	k70x70	Bottom	300.75	-10.95	0.00	Comb2	1%
C6	Story10	k70x70	Top	147.82	-64.47	0.00	Comb2	1%
C6	Story10	k70x70	Bottom	196.32	53.23	0.00	Comb2	1%
C7	Story10	k70x70	Top	88.22	36.05	-36.05	Comb2	1%
C7	Story10	k70x70	Bottom	136.72	-29.68	29.68	Comb2	1%
C8	Story10	k70x70	Top	147.82	-5.37	-64.47	Comb2	1%
C8	Story10	k70x70	Bottom	196.32	7.14	53.23	Comb2	1%
C9	Story10	k70x70	Top	88.22	-36.05	-36.05	Comb2	1%
C9	Story10	k70x70	Bottom	136.72	29.68	29.68	Comb2	1%
C1	Story9	k70x70	Top	226.70	13.55	13.55	Comb2	1%
C1	Story9	k70x70	Bottom	275.19	-22.38	-22.38	Comb2	1%
C2	Story9	k70x70	Top	343.95	-12.53	24.40	Comb2	1%
C2	Story9	k70x70	Bottom	392.44	14.31	-40.18	Comb2	1%
C3	Story9	k70x70	Top	226.70	-13.55	13.55	Comb2	1%
C3	Story9	k70x70	Bottom	275.19	22.38	-22.38	Comb2	1%
C4	Story9	k70x70	Top	343.95	24.40	0.00	Comb2	1%
C4	Story9	k70x70	Bottom	392.44	-40.18	0.00	Comb2	1%
C5	Story9	k70x70	Top	546.72	19.97	0.00	Comb2	1%
C5	Story9	k70x70	Bottom	595.21	-21.76	0.00	Comb2	1%
C6	Story9	k70x70	Top	343.95	-24.40	0.00	Comb2	1%
C6	Story9	k70x70	Bottom	392.44	40.18	0.00	Comb2	1%
C7	Story9	k70x70	Top	226.70	13.55	-13.55	Comb2	1%
C7	Story9	k70x70	Bottom	275.19	-22.38	22.38	Comb2	1%
C8	Story9	k70x70	Top	343.95	-12.53	-24.40	Comb2	1%

C8	Story9	k70x70	Bottom	392.44	14.31	40.18	Comb2	1%
C9	Story9	k70x70	Top	226.70	-13.55	-13.55	Comb2	1%
C9	Story9	k70x70	Bottom	275.19	22.38	22.38	Comb2	1%
C1	Story8	k70x70	Top	364.40	18.76	18.76	Comb2	1%
C1	Story8	k70x70	Bottom	412.89	-23.83	-23.83	Comb2	1%
C2	Story8	k70x70	Top	540.17	-19.74	33.65	Comb2	1%
C2	Story8	k70x70	Bottom	588.66	21.53	-42.78	Comb2	1%
C3	Story8	k70x70	Top	364.40	-18.76	18.76	Comb2	1%
C3	Story8	k70x70	Bottom	412.89	23.83	-23.83	Comb2	1%
C4	Story8	k70x70	Top	540.17	33.65	0.00	Comb2	1%
C4	Story8	k70x70	Bottom	588.66	-42.78	0.00	Comb2	1%
C5	Story8	k70x70	Top	843.93	30.97	0.00	Comb2	1%
C5	Story8	k70x70	Bottom	892.42	-32.78	0.00	Comb2	1%
C6	Story8	k70x70	Top	540.17	-33.65	0.00	Comb2	1%
C6	Story8	k70x70	Bottom	588.66	42.78	0.00	Comb2	1%
C7	Story8	k70x70	Top	364.40	18.76	-18.76	Comb2	1%
C7	Story8	k70x70	Bottom	412.89	-23.83	23.83	Comb2	1%
C8	Story8	k70x70	Top	540.17	-19.74	-33.65	Comb2	1%
C8	Story8	k70x70	Bottom	588.66	21.53	42.78	Comb2	1%
C9	Story8	k70x70	Top	364.40	-18.76	-18.76	Comb2	1%
C9	Story8	k70x70	Bottom	412.89	23.83	23.83	Comb2	1%
C1	Story7	k70x70	Top	501.72	18.18	17.23	Comb2	1%
C1	Story7	k70x70	Bottom	550.22	-23.05	-23.05	Comb2	1%
C2	Story7	k70x70	Top	736.44	-26.99	30.96	Comb2	1%
C2	Story7	k70x70	Bottom	784.93	28.79	-41.42	Comb2	1%
C3	Story7	k70x70	Top	501.72	-18.18	17.23	Comb2	1%
C3	Story7	k70x70	Bottom	550.22	23.05	-23.05	Comb2	1%
C4	Story7	k70x70	Top	736.44	30.96	0.00	Comb2	1%
C4	Story7	k70x70	Bottom	784.93	-41.42	0.00	Comb2	1%
C5	Story7	k70x70	Top	1142.40	42.11	0.00	Comb2	1%
C5	Story7	k70x70	Bottom	1190.89	-43.94	0.00	Comb2	1%
C6	Story7	k70x70	Top	736.44	-30.96	0.00	Comb2	1%
C6	Story7	k70x70	Bottom	784.93	41.42	0.00	Comb2	1%
C7	Story7	k70x70	Top	501.72	18.18	-17.23	Comb2	1%
C7	Story7	k70x70	Bottom	550.22	-23.05	23.05	Comb2	1%
C8	Story7	k70x70	Top	736.44	-26.99	-30.96	Comb2	1%
C8	Story7	k70x70	Bottom	784.93	28.79	41.42	Comb2	1%
C9	Story7	k70x70	Top	501.72	-18.18	-17.23	Comb2	1%
C9	Story7	k70x70	Bottom	550.22	23.05	23.05	Comb2	1%
C1	Story6	k70x70	Top	638.39	23.14	17.22	Comb2	1%

C1	Story6	k70x70	Bottom	686.88	-24.89	-22.69	Comb2	1%
C2	Story6	k70x70	Top	932.80	-34.29	30.96	Comb2	1%
C2	Story6	k70x70	Bottom	981.29	36.11	-40.81	Comb2	1%
C3	Story6	k70x70	Top	638.39	-23.14	17.22	Comb2	1%
C3	Story6	k70x70	Bottom	686.88	24.89	-22.69	Comb2	1%
C4	Story6	k70x70	Top	932.80	33.80	0.00	Comb2	1%
C4	Story6	k70x70	Bottom	981.29	-40.81	0.00	Comb2	1%
C5	Story6	k70x70	Top	1443.18	53.45	0.00	Comb2	1%
C5	Story6	k70x70	Bottom	1491.67	-55.29	0.00	Comb2	1%
C6	Story6	k70x70	Top	932.80	-33.80	0.00	Comb2	1%
C6	Story6	k70x70	Bottom	981.29	40.81	0.00	Comb2	1%
C7	Story6	k70x70	Top	638.39	23.14	-17.22	Comb2	1%
C7	Story6	k70x70	Bottom	686.88	-24.89	22.69	Comb2	1%
C8	Story6	k70x70	Top	932.80	-34.29	-30.96	Comb2	1%
C8	Story6	k70x70	Bottom	981.29	36.11	40.81	Comb2	1%
C9	Story6	k70x70	Top	638.39	-23.14	-17.22	Comb2	1%
C9	Story6	k70x70	Bottom	686.88	24.89	22.69	Comb2	1%
C1	Story5	k70x70	Top	774.25	28.06	16.75	Comb2	1%
C1	Story5	k70x70	Bottom	822.74	-29.82	-22.06	Comb2	1%
C2	Story5	k70x70	Top	1129.27	-41.64	30.14	Comb2	1%
C2	Story5	k70x70	Bottom	1177.76	43.47	-39.70	Comb2	1%
C3	Story5	k70x70	Top	774.25	-28.06	16.75	Comb2	1%
C3	Story5	k70x70	Bottom	822.74	29.82	-22.06	Comb2	1%
C4	Story5	k70x70	Top	1129.27	40.92	0.00	Comb2	1%
C4	Story5	k70x70	Bottom	1177.76	-42.68	0.00	Comb2	1%
C5	Story5	k70x70	Top	1746.73	64.99	0.00	Comb2	1%
C5	Story5	k70x70	Bottom	1795.22	-66.85	0.00	Comb2	1%
C6	Story5	k70x70	Top	1129.27	-40.92	0.00	Comb2	1%
C6	Story5	k70x70	Bottom	1177.76	42.68	0.00	Comb2	1%
C7	Story5	k70x70	Top	774.25	28.06	-16.75	Comb2	1%
C7	Story5	k70x70	Bottom	822.74	-29.82	22.06	Comb2	1%
C8	Story5	k70x70	Top	1129.27	-41.64	-30.14	Comb2	1%
C8	Story5	k70x70	Bottom	1177.76	43.47	39.70	Comb2	1%
C9	Story5	k70x70	Top	774.25	-28.06	-16.75	Comb2	1%
C9	Story5	k70x70	Bottom	822.74	29.82	22.06	Comb2	1%
C1	Story4	k70x70	Top	909.15	32.95	16.32	Comb2	1%
C1	Story4	k70x70	Bottom	957.64	-34.70	-21.58	Comb2	1%
C2	Story4	k70x70	Top	1325.86	-49.04	29.40	Comb2	1%
C2	Story4	k70x70	Bottom	1374.35	50.88	-38.89	Comb2	1%
C3	Story4	k70x70	Top	909.15	-32.95	16.32	Comb2	1%

C3	Story4	k70x70	Bottom	957.64	34.70	-21.58	Comb2	1%
C4	Story4	k70x70	Top	1325.86	48.05	0.00	Comb2	1%
C4	Story4	k70x70	Bottom	1374.35	-49.81	0.00	Comb2	1%
C5	Story4	k70x70	Top	2053.64	76.77	0.00	Comb2	1%
C5	Story4	k70x70	Bottom	2102.13	-78.65	0.00	Comb2	1%
C6	Story4	k70x70	Top	1325.86	-48.05	0.00	Comb2	1%
C6	Story4	k70x70	Bottom	1374.35	49.81	0.00	Comb2	1%
C7	Story4	k70x70	Top	909.15	32.95	-16.32	Comb2	1%
C7	Story4	k70x70	Bottom	957.64	-34.70	21.58	Comb2	1%
C8	Story4	k70x70	Top	1325.86	-49.04	-29.40	Comb2	1%
C8	Story4	k70x70	Bottom	1374.35	50.88	38.89	Comb2	1%
C9	Story4	k70x70	Top	909.15	-32.95	-16.32	Comb2	1%
C9	Story4	k70x70	Bottom	957.64	34.70	21.58	Comb2	1%
C1	Story3	k70x70	Top	1042.89	37.79	15.68	Comb2	1%
C1	Story3	k70x70	Bottom	1091.39	-39.55	-20.01	Comb2	1%
C2	Story3	k70x70	Top	1522.60	-56.49	28.28	Comb2	1%
C2	Story3	k70x70	Bottom	1571.09	58.35	-36.10	Comb2	1%
C3	Story3	k70x70	Top	1042.89	-37.79	15.68	Comb2	1%
C3	Story3	k70x70	Bottom	1091.39	39.55	-20.01	Comb2	1%
C4	Story3	k70x70	Top	1522.60	55.18	0.00	Comb2	1%
C4	Story3	k70x70	Bottom	1571.09	-56.94	0.00	Comb2	1%
C5	Story3	k70x70	Top	2364.57	88.82	0.00	Comb2	1%
C5	Story3	k70x70	Bottom	2413.06	-90.72	0.00	Comb2	1%
C6	Story3	k70x70	Top	1522.60	-55.18	0.00	Comb2	1%
C6	Story3	k70x70	Bottom	1571.09	56.94	0.00	Comb2	1%
C7	Story3	k70x70	Top	1042.89	37.79	-15.68	Comb2	1%
C7	Story3	k70x70	Bottom	1091.39	-39.55	20.01	Comb2	1%
C8	Story3	k70x70	Top	1522.60	56.49	-28.28	Comb2	1%
C8	Story3	k70x70	Bottom	1571.09	58.35	36.10	Comb2	1%
C9	Story3	k70x70	Top	1042.89	-37.79	-15.68	Comb2	1%
C9	Story3	k70x70	Bottom	1091.39	39.55	20.01	Comb2	1%
C1	Story2	k70x70	Top	1175.39	42.60	15.41	Comb2	1%
C1	Story2	k70x70	Bottom	1223.88	-44.35	-22.42	Comb2	1%
C2	Story2	k70x70	Top	1719.49	64.00	27.83	Comb2	1%
C2	Story2	k70x70	Bottom	1767.99	65.86	-40.49	Comb2	1%
C3	Story2	k70x70	Top	1175.39	-42.60	15.41	Comb2	1%
C3	Story2	k70x70	Bottom	1223.88	44.35	-22.42	Comb2	1%
C4	Story2	k70x70	Top	1719.49	62.31	0.00	Comb2	1%
C4	Story2	k70x70	Bottom	1767.99	-64.07	0.00	Comb2	1%
C5	Story2	k70x70	Top	2679.88	101.15	0.00	Comb2	1%

C5	Story2	k70x70	Bottom	2728.37	-103.08	0.00	Comb2	1%
C6	Story2	k70x70	Top	1719.49	-62.31	0.00	Comb2	1%
C6	Story2	k70x70	Bottom	1767.99	64.07	0.00	Comb2	1%
C7	Story2	k70x70	Top	1175.39	42.60	-15.41	Comb2	1%
C7	Story2	k70x70	Bottom	1223.88	-44.35	22.42	Comb2	1%
C8	Story2	k70x70	Top	1719.49	64.00	-27.83	Comb2	1%
C8	Story2	k70x70	Bottom	1767.99	65.86	40.49	Comb2	1%
C9	Story2	k70x70	Top	1175.39	-42.60	-15.41	Comb2	1%
C9	Story2	k70x70	Bottom	1223.88	44.35	22.42	Comb2	1%
C1	Story1	k70x70	Top	1306.16	47.34	13.20	Comb2	1%
C1	Story1	k70x70	Bottom	1354.66	-49.09	-7.74	Comb2	1%
C2	Story1	k70x70	Top	1916.58	71.56	23.84	Comb2	1%
C2	Story1	k70x70	Bottom	1965.08	73.43	-13.98	Comb2	1%
C3	Story1	k70x70	Top	1306.16	-47.34	13.20	Comb2	1%
C3	Story1	k70x70	Bottom	1354.66	49.09	-7.74	Comb2	1%
C4	Story1	k70x70	Top	1916.58	69.46	0.00	Comb2	1%
C4	Story1	k70x70	Bottom	1965.08	-71.21	0.00	Comb2	1%
C5	Story1	k70x70	Top	3001.30	113.85	0.00	Comb2	1%
C5	Story1	k70x70	Bottom	3049.79	115.80	0.00	Comb2	1%
C6	Story1	k70x70	Top	1916.58	-69.46	0.00	Comb2	1%
C6	Story1	k70x70	Bottom	1965.08	71.21	0.00	Comb2	1%
C7	Story1	k70x70	Top	1306.16	47.34	-13.20	Comb2	1%
C7	Story1	k70x70	Bottom	1354.66	-49.09	7.74	Comb2	1%
C8	Story1	k70x70	Top	1916.58	71.56	-23.84	Comb2	1%
C8	Story1	k70x70	Bottom	1965.08	73.43	13.98	Comb2	1%
C9	Story1	k70x70	Top	1306.16	-47.34	-13.20	Comb2	1%
C9	Story1	k70x70	Bottom	1354.66	49.09	7.74	Comb2	1%

TABLE: Concrete Beam Flexure Envelope YPS 10 Lantai

Label	Story	Location	(-)	(-)	(+)	(+)	As Bot	
			Moment	Combo	As Top	Moment		Combo
			kN-m		mm ²	kN-m		mm ²
B1	Story10	End-I	-65.98	YPS	412.32	32.99	YPS	270.08
B1	Story10	Middle	-16.49	YPS	133.90	28.35	YPS	231.58
B1	Story10	End-J	-52.36	YPS	396.45	30.74	YPS	251.39
B2	Story10	End-I	-52.36	YPS	396.45	30.74	YPS	251.39
B2	Story10	Middle	-16.49	YPS	133.90	28.35	YPS	231.58
B2	Story10	End-J	-65.98	YPS	412.32	32.99	YPS	270.08
B3	Story10	End-I	-65.98	YPS	412.32	32.99	YPS	270.08
B3	Story10	Middle	-16.49	YPS	133.90	28.35	YPS	231.58

B3	Story10	End-J	-52.36	YPS	396.45	30.74	YPS	251.39
B4	Story10	End-I	-85.86	YPS	542.55	42.93	YPS	353.3
B4	Story10	Middle	-21.46	YPS	174.69	50.72	Comb2	396.45
B4	Story10	End-J	-63.90	YPS	398.87	35.87	YPS	294.13
B5	Story10	End-I	-65.98	YPS	412.32	32.99	YPS	270.08
B5	Story10	Middle	-16.49	YPS	133.90	28.35	YPS	231.58
B5	Story10	End-J	-52.36	YPS	396.45	30.74	YPS	251.39
B6	Story10	End-I	-85.86	YPS	542.55	42.93	YPS	353.3
B6	Story10	Middle	-21.46	YPS	174.69	50.72	Comb2	396.45
B6	Story10	End-J	-63.90	YPS	398.87	35.87	YPS	294.13
B7	Story10	End-I	-63.90	YPS	398.87	35.87	YPS	294.13
B7	Story10	Middle	-21.46	YPS	174.69	49.07	Comb2	396.45
B7	Story10	End-J	-85.86	YPS	542.55	42.93	YPS	353.3
B8	Story10	End-I	-52.36	YPS	396.45	30.74	YPS	251.39
B8	Story10	Middle	-16.49	YPS	133.90	28.35	YPS	231.58
B8	Story10	End-J	-65.98	YPS	412.32	32.99	YPS	270.08
B9	Story10	End-I	-63.90	YPS	398.87	35.87	YPS	294.13
B9	Story10	Middle	-21.46	YPS	174.69	49.07	Comb2	396.45
B9	Story10	End-J	-85.86	YPS	542.55	42.93	YPS	353.3
B10	Story10	End-I	-52.36	YPS	396.45	30.74	YPS	251.39
B10	Story10	Middle	-16.49	YPS	133.90	28.35	YPS	231.58
B10	Story10	End-J	-65.98	YPS	412.32	32.99	YPS	270.08
B11	Story10	End-I	-65.98	YPS	412.32	32.99	YPS	270.08
B11	Story10	Middle	-16.49	YPS	133.90	28.35	YPS	231.58
B11	Story10	End-J	-52.36	YPS	396.45	30.74	YPS	251.39
B12	Story10	End-I	-52.36	YPS	396.45	30.74	YPS	251.39
B12	Story10	Middle	-16.49	YPS	133.90	28.35	YPS	231.58
B12	Story10	End-J	-65.98	YPS	412.32	32.99	YPS	270.08
B1	Story9	End-I	-83.10	YPS	524.29	41.55	YPS	341.69
B1	Story9	Middle	-20.77	YPS	169.02	33.81	YPS	276.91
B1	Story9	End-J	-67.26	YPS	420.62	46.99	YPS	387.54
B2	Story9	End-I	-67.26	YPS	420.62	46.99	YPS	387.54
B2	Story9	Middle	-20.77	YPS	169.02	33.81	YPS	276.91
B2	Story9	End-J	-83.10	YPS	524.29	41.55	YPS	341.69
B3	Story9	End-I	-83.10	YPS	524.29	41.55	YPS	341.69
B3	Story9	Middle	-20.77	YPS	169.02	33.81	YPS	276.91
B3	Story9	End-J	-67.26	YPS	420.62	46.99	YPS	387.54
B4	Story9	End-I	-104.67	YPS	668.63	52.33	YPS	396.45
B4	Story9	Middle	-26.17	YPS	213.48	50.05	Comb2	396.45
B4	Story9	End-J	-78.13	YPS	491.55	45.23	YPS	372.73

B5	Story9	End-I	-83.10	YPS	524.29	41.55	YPS	341.69
B5	Story9	Middle	-20.77	YPS	169.02	33.81	YPS	276.91
B5	Story9	End-J	-67.26	YPS	420.62	46.99	YPS	387.54
B6	Story9	End-I	-104.67	YPS	668.63	52.33	YPS	396.45
B6	Story9	Middle	-26.17	YPS	213.48	50.05	Comb2	396.45
B6	Story9	End-J	-78.13	YPS	491.55	45.23	YPS	372.73
B7	Story9	End-I	-78.13	YPS	491.55	45.23	YPS	372.73
B7	Story9	Middle	-26.17	YPS	213.48	50.05	Comb2	396.45
B7	Story9	End-J	-104.67	YPS	668.63	52.33	YPS	396.45
B8	Story9	End-I	-67.26	YPS	420.62	46.99	YPS	387.54
B8	Story9	Middle	-20.77	YPS	169.02	33.81	YPS	276.91
B8	Story9	End-J	-83.10	YPS	524.29	41.55	YPS	341.69
B9	Story9	End-I	-78.13	YPS	491.55	45.23	YPS	372.73
B9	Story9	Middle	-26.17	YPS	213.48	50.05	Comb2	396.45
B9	Story9	End-J	-104.67	YPS	668.63	52.33	YPS	396.45
B10	Story9	End-I	-67.26	YPS	420.62	46.99	YPS	387.54
B10	Story9	Middle	-20.77	YPS	169.02	33.81	YPS	276.91
B10	Story9	End-J	-83.10	YPS	524.29	41.55	YPS	341.69
B11	Story9	End-I	-83.10	YPS	524.29	41.55	YPS	341.69
B11	Story9	Middle	-20.77	YPS	169.02	33.81	YPS	276.91
B11	Story9	End-J	-67.26	YPS	420.62	46.99	YPS	387.54
B12	Story9	End-I	-67.26	YPS	420.62	46.99	YPS	387.54
B12	Story9	Middle	-20.77	YPS	169.02	33.81	YPS	276.91
B12	Story9	End-J	-83.10	YPS	524.29	41.55	YPS	341.69
B1	Story8	End-I	-98.51	YPS	627.06	49.55	YPS	396.45
B1	Story8	Middle	-24.63	YPS	200.77	38.72	YPS	317.96
B1	Story8	End-J	-83.43	YPS	526.46	62.36	YPS	396.45
B2	Story8	End-I	-83.43	YPS	526.46	52.81	YPS	396.45
B2	Story8	Middle	-24.63	YPS	200.77	38.72	YPS	317.96
B2	Story8	End-J	-98.51	YPS	627.06	57.73	YPS	396.45
B3	Story8	End-I	-98.51	YPS	627.06	49.55	YPS	396.45
B3	Story8	Middle	-24.63	YPS	200.77	38.72	YPS	317.96
B3	Story8	End-J	-83.43	YPS	526.46	62.36	YPS	396.45
B4	Story8	End-I	-119.46	YPS	769.87	59.73	YPS	396.45
B4	Story8	Middle	-29.86	YPS	244.11	51.01	YPS	396.45
B4	Story8	End-J	-94.68	YPS	601.33	57.38	YPS	396.45
B5	Story8	End-I	-98.51	YPS	627.06	49.55	YPS	396.45
B5	Story8	Middle	-24.63	YPS	200.77	38.72	YPS	317.96
B5	Story8	End-J	-83.43	YPS	526.46	62.36	YPS	396.45
B6	Story8	End-I	-119.46	YPS	769.87	59.73	YPS	396.45

B6	Story8	Middle	-29.86	YPS	244.11	51.01	YPS	396.45
B6	Story8	End-J	-94.68	YPS	601.33	57.38	YPS	396.45
B7	Story8	End-I	-94.68	YPS	601.33	53.37	YPS	396.45
B7	Story8	Middle	-29.86	YPS	244.11	48.25	Comb2	396.45
B7	Story8	End-J	-119.46	YPS	769.87	59.73	YPS	396.45
B8	Story8	End-I	-83.43	YPS	526.46	52.81	YPS	396.45
B8	Story8	Middle	-24.63	YPS	200.77	38.72	YPS	317.96
B8	Story8	End-J	-98.51	YPS	627.06	57.73	YPS	396.45
B9	Story8	End-I	-94.68	YPS	601.33	53.37	YPS	396.45
B9	Story8	Middle	-29.86	YPS	244.11	48.25	Comb2	396.45
B9	Story8	End-J	-119.46	YPS	769.87	59.73	YPS	396.45
B10	Story8	End-I	-83.43	YPS	526.46	52.81	YPS	396.45
B10	Story8	Middle	-24.63	YPS	200.77	38.72	YPS	317.96
B10	Story8	End-J	-98.51	YPS	627.06	57.73	YPS	396.45
B11	Story8	End-I	-98.51	YPS	627.06	49.55	YPS	396.45
B11	Story8	Middle	-24.63	YPS	200.77	38.72	YPS	317.96
B11	Story8	End-J	-83.43	YPS	526.46	62.36	YPS	396.45
B12	Story8	End-I	-83.43	YPS	526.46	52.81	YPS	396.45
B12	Story8	Middle	-24.63	YPS	200.77	38.72	YPS	317.96
B12	Story8	End-J	-98.51	YPS	627.06	57.73	YPS	396.45
B1	Story7	End-I	-112.64	YPS	723.00	72.27	YPS	453.21
B1	Story7	Middle	-28.16	YPS	229.99	43.22	YPS	355.78
B1	Story7	End-J	-97.99	YPS	623.56	76.38	YPS	480.12
B2	Story7	End-I	-97.99	YPS	623.56	76.38	YPS	480.12
B2	Story7	Middle	-28.16	YPS	229.99	43.22	YPS	355.78
B2	Story7	End-J	-112.64	YPS	723.00	72.27	YPS	453.21
B3	Story7	End-I	-112.64	YPS	723.00	72.27	YPS	453.21
B3	Story7	Middle	-28.16	YPS	229.99	43.22	YPS	355.78
B3	Story7	End-J	-97.99	YPS	623.56	76.38	YPS	480.12
B4	Story7	End-I	-133.40	YPS	867.05	66.70	YPS	416.99
B4	Story7	Middle	-33.35	YPS	273.09	55.41	YPS	396.45
B4	Story7	End-J	-109.50	YPS	701.53	71.29	YPS	446.86
B5	Story7	End-I	-112.64	YPS	723.00	72.27	YPS	453.21
B5	Story7	Middle	-28.16	YPS	229.99	43.22	YPS	355.78
B5	Story7	End-J	-97.99	YPS	623.56	76.38	YPS	480.12
B6	Story7	End-I	-133.40	YPS	867.05	66.70	YPS	416.99
B6	Story7	Middle	-33.35	YPS	273.09	55.41	YPS	396.45
B6	Story7	End-J	-109.50	YPS	701.53	71.29	YPS	446.86
B7	Story7	End-I	-109.50	YPS	701.53	71.29	YPS	446.86
B7	Story7	Middle	-33.35	YPS	273.09	49.78	YPS	396.45

B7	Story7	End-J	-133.40	YPS	867.05	66.70	YPS	416.99
B8	Story7	End-I	-97.99	YPS	623.56	76.38	YPS	480.12
B8	Story7	Middle	-28.16	YPS	229.99	43.22	YPS	355.78
B8	Story7	End-J	-112.64	YPS	723.00	72.27	YPS	453.21
B9	Story7	End-I	-109.50	YPS	701.53	71.29	YPS	446.86
B9	Story7	Middle	-33.35	YPS	273.09	49.78	YPS	396.45
B9	Story7	End-J	-133.40	YPS	867.05	66.70	YPS	416.99
B10	Story7	End-I	-97.99	YPS	623.56	76.38	YPS	480.12
B10	Story7	Middle	-28.16	YPS	229.99	43.22	YPS	355.78
B10	Story7	End-J	-112.64	YPS	723.00	72.27	YPS	453.21
B11	Story7	End-I	-112.64	YPS	723.00	72.27	YPS	453.21
B11	Story7	Middle	-28.16	YPS	229.99	43.22	YPS	355.78
B11	Story7	End-J	-97.99	YPS	623.56	76.38	YPS	480.12
B12	Story7	End-I	-97.99	YPS	623.56	76.38	YPS	480.12
B12	Story7	Middle	-28.16	YPS	229.99	43.22	YPS	355.78
B12	Story7	End-J	-112.64	YPS	723.00	72.27	YPS	453.21
B1	Story6	End-I	-123.97	YPS	801.17	84.47	YPS	533.4
B1	Story6	Middle	-30.99	YPS	253.49	46.83	YPS	386.19
B1	Story6	End-J	-110.25	YPS	706.64	87.78	YPS	555.31
B2	Story6	End-I	-110.25	YPS	706.64	87.78	YPS	555.31
B2	Story6	Middle	-30.99	YPS	253.49	46.83	YPS	386.19
B2	Story6	End-J	-123.97	YPS	801.17	84.47	YPS	533.4
B3	Story6	End-I	-123.97	YPS	801.17	84.47	YPS	533.4
B3	Story6	Middle	-30.99	YPS	253.49	46.83	YPS	386.19
B3	Story6	End-J	-110.25	YPS	706.64	87.78	YPS	555.31
B4	Story6	End-I	-144.31	YPS	944.42	75.49	YPS	474.24
B4	Story6	Middle	-36.08	YPS	295.85	58.88	YPS	396.45
B4	Story6	End-J	-122.18	YPS	788.69	82.51	YPS	520.39
B5	Story6	End-I	-123.97	YPS	801.17	84.47	YPS	533.4
B5	Story6	Middle	-30.99	YPS	253.49	46.83	YPS	386.19
B5	Story6	End-J	-110.25	YPS	706.64	87.78	YPS	555.31
B6	Story6	End-I	-144.31	YPS	944.42	75.49	YPS	474.24
B6	Story6	Middle	-36.08	YPS	295.85	58.88	YPS	396.45
B6	Story6	End-J	-122.18	YPS	788.69	82.51	YPS	520.39
B7	Story6	End-I	-122.18	YPS	788.69	82.51	YPS	520.39
B7	Story6	Middle	-36.08	YPS	295.85	54.19	YPS	396.45
B7	Story6	End-J	-144.31	YPS	944.42	75.49	YPS	474.24
B8	Story6	End-I	-110.25	YPS	706.64	87.78	YPS	555.31
B8	Story6	Middle	-30.99	YPS	253.49	46.83	YPS	386.19
B8	Story6	End-J	-123.97	YPS	801.17	84.47	YPS	533.4

B9	Story6	End-I	-122.18	YPS	788.69	82.51	YPS	520.39
B9	Story6	Middle	-36.08	YPS	295.85	54.19	YPS	396.45
B9	Story6	End-J	-144.31	YPS	944.42	75.49	YPS	474.24
B10	Story6	End-I	-110.25	YPS	706.64	87.78	YPS	555.31
B10	Story6	Middle	-30.99	YPS	253.49	46.83	YPS	386.19
B10	Story6	End-J	-123.97	YPS	801.17	84.47	YPS	533.4
B11	Story6	End-I	-123.97	YPS	801.17	84.47	YPS	533.4
B11	Story6	Middle	-30.99	YPS	253.49	46.83	YPS	386.19
B11	Story6	End-J	-110.25	YPS	706.64	87.78	YPS	555.31
B12	Story6	End-I	-110.25	YPS	706.64	87.78	YPS	555.31
B12	Story6	Middle	-30.99	YPS	253.49	46.83	YPS	386.19
B12	Story6	End-J	-123.97	YPS	801.17	84.47	YPS	533.4
B1	Story5	End-I	-132.44	YPS	860.32	93.96	YPS	596.53
B1	Story5	Middle	-33.11	YPS	271.09	49.51	YPS	396.45
B1	Story5	End-J	-119.96	YPS	773.31	96.43	YPS	613.07
B2	Story5	End-I	-119.96	YPS	773.31	96.43	YPS	613.07
B2	Story5	Middle	-33.11	YPS	271.09	48.29	YPS	396.45
B2	Story5	End-J	-132.44	YPS	860.32	93.96	YPS	596.53
B3	Story5	End-I	-132.44	YPS	860.32	93.96	YPS	596.53
B3	Story5	Middle	-33.11	YPS	271.09	49.51	YPS	396.45
B3	Story5	End-J	-119.96	YPS	773.31	96.43	YPS	613.07
B4	Story5	End-I	-152.28	YPS	1001.66	85.19	YPS	538.15
B4	Story5	Middle	-38.07	YPS	312.51	61.39	YPS	396.45
B4	Story5	End-J	-132.39	YPS	859.96	90.93	YPS	576.29
B5	Story5	End-I	-132.44	YPS	860.32	93.96	YPS	596.53
B5	Story5	Middle	-33.11	YPS	271.09	49.51	YPS	396.45
B5	Story5	End-J	-119.96	YPS	773.31	96.43	YPS	613.07
B6	Story5	End-I	-152.28	YPS	1001.66	85.19	YPS	538.15
B6	Story5	Middle	-38.07	YPS	312.51	61.39	YPS	396.45
B6	Story5	End-J	-132.39	YPS	859.96	90.93	YPS	576.29
B7	Story5	End-I	-132.39	YPS	859.96	90.93	YPS	576.29
B7	Story5	Middle	-38.07	YPS	312.51	57.69	YPS	396.45
B7	Story5	End-J	-152.28	YPS	1001.66	85.19	YPS	538.15
B8	Story5	End-I	-119.96	YPS	773.31	96.43	YPS	613.07
B8	Story5	Middle	-33.11	YPS	271.09	48.29	YPS	396.45
B8	Story5	End-J	-132.44	YPS	860.32	93.96	YPS	596.53
B9	Story5	End-I	-132.39	YPS	859.96	90.93	YPS	576.29
B9	Story5	Middle	-38.07	YPS	312.51	57.69	YPS	396.45
B9	Story5	End-J	-152.28	YPS	1001.66	85.19	YPS	538.15
B10	Story5	End-I	-119.96	YPS	773.31	96.43	YPS	613.07

B10	Story5	Middle	-33.11	YPS	271.09	48.29	YPS	396.45
B10	Story5	End-J	-132.44	YPS	860.32	93.96	YPS	596.53
B11	Story5	End-I	-132.44	YPS	860.32	93.96	YPS	596.53
B11	Story5	Middle	-33.11	YPS	271.09	49.51	YPS	396.45
B11	Story5	End-J	-119.96	YPS	773.31	96.43	YPS	613.07
B12	Story5	End-I	-119.96	YPS	773.31	96.43	YPS	613.07
B12	Story5	Middle	-33.11	YPS	271.09	48.29	YPS	396.45
B12	Story5	End-J	-132.44	YPS	860.32	93.96	YPS	596.53
B1	Story4	End-I	-137.33	YPS	894.82	100.10	YPS	637.76
B1	Story4	Middle	-34.33	YPS	281.29	51.05	YPS	396.45
B1	Story4	End-J	-126.46	YPS	818.44	101.66	YPS	648.26
B2	Story4	End-I	-126.46	YPS	818.44	101.66	YPS	648.26
B2	Story4	Middle	-34.33	YPS	281.29	50.52	YPS	396.45
B2	Story4	End-J	-137.33	YPS	894.82	100.10	YPS	637.76
B3	Story4	End-I	-137.33	YPS	894.82	100.10	YPS	637.76
B3	Story4	Middle	-34.33	YPS	281.29	51.05	YPS	396.45
B3	Story4	End-J	-126.46	YPS	818.44	101.66	YPS	648.26
B4	Story4	End-I	-156.57	YPS	1032.73	91.60	YPS	580.72
B4	Story4	Middle	-39.14	YPS	321.49	62.71	YPS	396.45
B4	Story4	End-J	-139.50	YPS	910.22	95.89	YPS	609.41
B5	Story4	End-I	-137.33	YPS	894.82	100.10	YPS	637.76
B5	Story4	Middle	-34.33	YPS	281.29	51.05	YPS	396.45
B5	Story4	End-J	-126.46	YPS	818.44	101.66	YPS	648.26
B6	Story4	End-I	-156.57	YPS	1032.73	91.60	YPS	580.72
B6	Story4	Middle	-39.14	YPS	321.49	62.71	YPS	396.45
B6	Story4	End-J	-139.50	YPS	910.22	95.89	YPS	609.41
B7	Story4	End-I	-139.50	YPS	910.22	95.89	YPS	609.41
B7	Story4	Middle	-39.14	YPS	321.49	60.13	YPS	396.45
B7	Story4	End-J	-156.57	YPS	1032.73	91.60	YPS	580.72
B8	Story4	End-I	-126.46	YPS	818.44	101.66	YPS	648.26
B8	Story4	Middle	-34.33	YPS	281.29	50.52	YPS	396.45
B8	Story4	End-J	-137.33	YPS	894.82	100.10	YPS	637.76
B9	Story4	End-I	-139.50	YPS	910.22	95.89	YPS	609.41
B9	Story4	Middle	-39.14	YPS	321.49	60.13	YPS	396.45
B9	Story4	End-J	-156.57	YPS	1032.73	91.60	YPS	580.72
B10	Story4	End-I	-126.46	YPS	818.44	101.66	YPS	648.26
B10	Story4	Middle	-34.33	YPS	281.29	50.52	YPS	396.45
B10	Story4	End-J	-137.33	YPS	894.82	100.10	YPS	637.76
B11	Story4	End-I	-137.33	YPS	894.82	100.10	YPS	637.76
B11	Story4	Middle	-34.33	YPS	281.29	51.05	YPS	396.45

B11	Story4	End-J	-126.46	YPS	818.44	101.66	YPS	648.26
B12	Story4	End-I	-126.46	YPS	818.44	101.66	YPS	648.26
B12	Story4	Middle	-34.33	YPS	281.29	50.52	YPS	396.45
B12	Story4	End-J	-137.33	YPS	894.82	100.10	YPS	637.76
B1	Story3	End-I	-136.81	YPS	891.17	101.08	YPS	644.34
B1	Story3	Middle	-34.20	YPS	280.21	50.85	YPS	396.45
B1	Story3	End-J	-127.97	YPS	829.03	101.66	YPS	648.32
B2	Story3	End-I	-127.97	YPS	829.03	101.66	YPS	648.32
B2	Story3	Middle	-34.20	YPS	280.21	51.04	YPS	396.45
B2	Story3	End-J	-136.81	YPS	891.17	101.08	YPS	644.34
B3	Story3	End-I	-136.81	YPS	891.17	101.08	YPS	644.34
B3	Story3	Middle	-34.20	YPS	280.21	50.85	YPS	396.45
B3	Story3	End-J	-127.97	YPS	829.03	101.66	YPS	648.32
B4	Story3	End-I	-155.32	YPS	1023.68	92.90	YPS	589.39
B4	Story3	Middle	-38.83	YPS	318.88	62.26	YPS	396.45
B4	Story3	End-J	-141.76	YPS	926.25	95.57	YPS	607.28
B5	Story3	End-I	-136.81	YPS	891.17	101.08	YPS	644.34
B5	Story3	Middle	-34.20	YPS	280.21	50.85	YPS	396.45
B5	Story3	End-J	-127.97	YPS	829.03	101.66	YPS	648.32
B6	Story3	End-I	-155.32	YPS	1023.68	92.90	YPS	589.39
B6	Story3	Middle	-38.83	YPS	318.88	62.26	YPS	396.45
B6	Story3	End-J	-141.76	YPS	926.25	95.57	YPS	607.28
B7	Story3	End-I	-141.76	YPS	926.25	95.57	YPS	607.28
B7	Story3	Middle	-38.83	YPS	318.88	60.88	YPS	396.45
B7	Story3	End-J	-155.32	YPS	1023.68	92.90	YPS	589.39
B8	Story3	End-I	-127.97	YPS	829.03	101.66	YPS	648.32
B8	Story3	Middle	-34.20	YPS	280.21	51.04	YPS	396.45
B8	Story3	End-J	-136.81	YPS	891.17	101.08	YPS	644.34
B9	Story3	End-I	-141.76	YPS	926.25	95.57	YPS	607.28
B9	Story3	Middle	-38.83	YPS	318.88	60.88	YPS	396.45
B9	Story3	End-J	-155.32	YPS	1023.68	92.90	YPS	589.39
B10	Story3	End-I	-127.97	YPS	829.03	101.66	YPS	648.32
B10	Story3	Middle	-34.20	YPS	280.21	51.04	YPS	396.45
B10	Story3	End-J	-136.81	YPS	891.17	101.08	YPS	644.34
B11	Story3	End-I	-136.81	YPS	891.17	101.08	YPS	644.34
B11	Story3	Middle	-34.20	YPS	280.21	50.85	YPS	396.45
B11	Story3	End-J	-127.97	YPS	829.03	101.66	YPS	648.32
B12	Story3	End-I	-127.97	YPS	829.03	101.66	YPS	648.32
B12	Story3	Middle	-34.20	YPS	280.21	51.04	YPS	396.45
B12	Story3	End-J	-136.81	YPS	891.17	101.08	YPS	644.34

B1	Story2	End-I	-126.52	YPS	818.87	92.36	YPS	585.81
B1	Story2	Middle	-31.63	YPS	258.77	48.25	YPS	396.45
B1	Story2	End-J	-120.09	YPS	774.27	92.11	YPS	584.14
B2	Story2	End-I	-120.09	YPS	774.27	92.11	YPS	584.14
B2	Story2	Middle	-31.63	YPS	258.77	48.25	YPS	396.45
B2	Story2	End-J	-126.52	YPS	818.87	92.36	YPS	585.81
B3	Story2	End-I	-126.52	YPS	818.87	92.36	YPS	585.81
B3	Story2	Middle	-31.63	YPS	258.77	48.25	YPS	396.45
B3	Story2	End-J	-120.09	YPS	774.27	92.11	YPS	584.14
B4	Story2	End-I	-144.24	YPS	943.95	84.52	YPS	533.72
B4	Story2	Middle	-36.06	YPS	295.71	58.62	YPS	396.45
B4	Story2	End-J	-134.71	YPS	876.32	85.65	YPS	541.16
B5	Story2	End-I	-126.52	YPS	818.87	92.36	YPS	585.81
B5	Story2	Middle	-31.63	YPS	258.77	48.25	YPS	396.45
B5	Story2	End-J	-120.09	YPS	774.27	92.11	YPS	584.14
B6	Story2	End-I	-144.24	YPS	943.95	84.52	YPS	533.72
B6	Story2	Middle	-36.06	YPS	295.71	58.62	YPS	396.45
B6	Story2	End-J	-134.71	YPS	876.32	85.65	YPS	541.16
B7	Story2	End-I	-134.71	YPS	876.32	85.65	YPS	541.16
B7	Story2	Middle	-36.06	YPS	295.71	58.34	YPS	396.45
B7	Story2	End-J	-144.24	YPS	943.95	84.52	YPS	533.72
B8	Story2	End-I	-120.09	YPS	774.27	92.11	YPS	584.14
B8	Story2	Middle	-31.63	YPS	258.77	48.25	YPS	396.45
B8	Story2	End-J	-126.52	YPS	818.87	92.36	YPS	585.81
B9	Story2	End-I	-134.71	YPS	876.32	85.65	YPS	541.16
B9	Story2	Middle	-36.06	YPS	295.71	58.34	YPS	396.45
B9	Story2	End-J	-144.24	YPS	943.95	84.52	YPS	533.72
B10	Story2	End-I	-120.09	YPS	774.27	92.11	YPS	584.14
B10	Story2	Middle	-31.63	YPS	258.77	48.25	YPS	396.45
B10	Story2	End-J	-126.52	YPS	818.87	92.36	YPS	585.81
B11	Story2	End-I	-126.52	YPS	818.87	92.36	YPS	585.81
B11	Story2	Middle	-31.63	YPS	258.77	48.25	YPS	396.45
B11	Story2	End-J	-120.09	YPS	774.27	92.11	YPS	584.14
B12	Story2	End-I	-120.09	YPS	774.27	92.11	YPS	584.14
B12	Story2	Middle	-31.63	YPS	258.77	48.25	YPS	396.45
B12	Story2	End-J	-126.52	YPS	818.87	92.36	YPS	585.81
B1	Story1	End-I	-95.51	YPS	606.87	63.71	YPS	397.68
B1	Story1	Middle	-23.88	YPS	194.57	38.89	YPS	319.38
B1	Story1	End-J	-92.64	YPS	587.67	62.50	YPS	396.45
B2	Story1	End-I	-92.64	YPS	587.67	52.90	YPS	396.45

B2	Story1	Middle	-23.88	YPS	194.57	38.89	YPS	319.38
B2	Story1	End-J	-95.51	YPS	606.87	63.71	YPS	397.68
B3	Story1	End-I	-95.51	YPS	606.87	63.71	YPS	397.68
B3	Story1	Middle	-23.88	YPS	194.57	38.89	YPS	319.38
B3	Story1	End-J	-92.64	YPS	587.67	62.50	YPS	396.45
B4	Story1	End-I	-112.05	YPS	718.94	49.65	YPS	396.45
B4	Story1	Middle	-28.01	YPS	228.76	48.36	YPS	396.45
B4	Story1	End-J	-108.34	YPS	693.63	55.57	YPS	396.45
B5	Story1	End-I	-95.51	YPS	606.87	63.71	YPS	397.68
B5	Story1	Middle	-23.88	YPS	194.57	38.89	YPS	319.38
B5	Story1	End-J	-92.64	YPS	587.67	62.50	YPS	396.45
B6	Story1	End-I	-112.05	YPS	718.94	49.65	YPS	396.45
B6	Story1	Middle	-28.01	YPS	228.76	48.36	YPS	396.45
B6	Story1	End-J	-108.34	YPS	693.63	55.57	YPS	396.45
B7	Story1	End-I	-108.34	YPS	693.63	49.04	YPS	396.45
B7	Story1	Middle	-28.01	YPS	228.76	49.41	YPS	396.45
B7	Story1	End-J	-112.05	YPS	718.94	56.41	YPS	396.45
B8	Story1	End-I	-92.64	YPS	587.67	52.90	YPS	396.45
B8	Story1	Middle	-23.88	YPS	194.57	38.89	YPS	319.38
B8	Story1	End-J	-95.51	YPS	606.87	63.71	YPS	397.68
B9	Story1	End-I	-108.34	YPS	693.63	49.04	YPS	396.45
B9	Story1	Middle	-28.01	YPS	228.76	49.41	YPS	396.45
B9	Story1	End-J	-112.05	YPS	718.94	56.41	YPS	396.45
B10	Story1	End-I	-92.64	YPS	587.67	52.90	YPS	396.45
B10	Story1	Middle	-23.88	YPS	194.57	38.89	YPS	319.38
B10	Story1	End-J	-95.51	YPS	606.87	63.71	YPS	397.68
B11	Story1	End-I	-95.51	YPS	606.87	63.71	YPS	397.68
B11	Story1	Middle	-23.88	YPS	194.57	38.89	YPS	319.38
B11	Story1	End-J	-92.64	YPS	587.67	62.50	YPS	396.45
B12	Story1	End-I	-92.64	YPS	587.67	52.90	YPS	396.45
B12	Story1	Middle	-23.88	YPS	194.57	38.89	YPS	319.38
B12	Story1	End-J	-95.51	YPS	606.87	63.71	YPS	397.68