

B A I L E Y

J O H N S O N

H A Y E S

CONSULTING ENGINEERS

Concrete Column Design Summary

RAM Concrete Column v14.07.01.01

Bailey Johnson Hayes

Database: Cobourg St, Plymouth RC Frame PAD FOUNDATION HYBRID

Building Code: BS 6399

25.09.15 15:03:45

Concrete Code: BS8110-97

Location: A - 7

No.	Level	Section	Fpc	Main	Ld/Cap	Shear	Ld/Cap
1	17th Floor	600x250	40.00	8-T20 (2 x 2)	0.82	T12@125.00 12.00-2762.00	0.12
1	16th Story	600x250	40.00	8-T20 (2 x 2)	0.47	T12@125.00 12.00-2762.00	0.11
1	15th Floor	600x250	40.00	8-T20 (2 x 2)	0.42	T12@125.00 12.00-2762.00	0.11
1	14th Floor	600x250	40.00	8-T20 (2 x 2)	0.40	T12@125.00 12.00-2762.00	0.11
1	13th Floor	600x250	40.00	8-T20 (2 x 2)	0.35	T12@125.00 12.00-2762.00	0.14
1	12th Floor	600x250	40.00	8-T20 (2 x 2)	0.45	T12@125.00 12.00-2762.00	0.15
1	11th Floor	600x250	40.00	10-T20 (2 x 3)	0.52	T12@125.00 12.00-2762.00	0.20
1	10th Floor	600x250	40.00	10-T20 (2 x 3)	0.63	T12@125.00 12.00-2762.00	0.19
1	9th Floor	750x250	40.00	10-T20 (2 x 3)	0.63	T12@125.00 12.00-2762.00	0.18
1	8th Floor	750x250	40.00	10-T25 (2 x 3)	0.61	T12@125.00 12.00-2762.00	0.14
1	7th Floor	900x250	40.00	12-T25 (2 x 4)	0.58	T12@125.00 12.00-2762.00	0.16
1	6th Floor	900x250	40.00	12-T25 (2 x 4)	0.64	T12@125.00 12.00-2762.00	0.12
1	5th Floor	1050x300	40.00	14-T25 (2 x 5)	0.54	T12@175.00 62.00-2687.00	0.15
1	4th Floor	1050x300	40.00	14-T25 (2 x 5)	0.60	T12@175.00 62.00-2687.00	0.14
1	3rd Floor	1050x300	40.00	14-T25 (2 x 5)	0.65	T12@175.00 62.00-2687.00	0.12
1	2nd Floor	1200x300	40.00	16-T25 (2 x 6)	0.61	T12@175.00 62.00-2687.00	0.13
1	1st Floor	1200x450	40.00	16-T25 (2 x 6)	0.50	T12@275.00 137.00-2612.00	0.13
1	Mezz	1200x450	40.00	16-T25 (2 x 6)	0.54	T12@275.00 137.00-2612.00	0.16
1	Ground	1200x450	40.00	16-T25 (2 x 6)	0.58	T12@275.00 87.00-3112.00	0.07

Location: A - 6

No.	Level	Section	Fpc	Main	Ld/Cap	Shear	Ld/Cap
2	17th Floor	600x250	40.00	8-T16 (2 x 2)	0.69	T12@125.00 12.00-2762.00	0.13
2	16th Story	600x250	40.00	8-T16 (2 x 2)	0.34	T12@125.00 12.00-2762.00	0.11
2	15th Floor	600x250	40.00	8-T16 (2 x 2)	0.32	T12@125.00 12.00-2762.00	0.11
2	14th Floor	600x250	40.00	8-T16 (2 x 2)	0.44	T12@125.00 12.00-2762.00	0.11
2	13th Floor	600x250	40.00	8-T16 (2 x 2)	0.56	T12@125.00 12.00-2762.00	0.11
2	12th Floor	600x250	40.00	8-T16 (2 x 2)	0.68	T12@125.00 12.00-2762.00	0.11
2	11th Floor	600x250	40.00	10-T20 (2 x 3)	0.66	T12@125.00 12.00-2762.00	0.12
2	10th Floor	750x250	40.00	10-T20 (2 x 3)	0.65	T12@125.00 12.00-2762.00	0.11