



**GROUND FLOOR FRAMING PLAN**

- TOP OF FLOOR SLAB IS 0.00M BELOW FINISHED FLOOR AT ELEVATION 83.80
- FLOOR SLABS ARE DESIGNED FOR FOLLOWING LOADING CONDITIONS:
 

RESIDENTIAL AREAS	S.L.O.	L.L.
STAIRS & BALCONIES	0.50 kPa	4.80 kPa
LOCKERS & STORAGE	0.60 kPa	2.40 kPa
OFFICE PARKING & RAMP	2.30 kPa	4.80 kPa
TOILETS	1.30 kPa	2.40 kPa
DRIVEWAYS AND SIDEWALKS	MIN.	14.0 kPa
OVER PARKING AREAS	8.0 kPa	P-54KN*
CARTRIDGE STORAGE	0.60 kPa	7.20 kPa
- CONCRETE STRENGTH AT 28 DAYS SHALL BE 35 MPa AND CONCRETE STRENGTH AT 7 DAYS SHALL BE 25 MPa. OTHER FORMS OF CONCRETE STRENGTH CLASSIFICATION AND HAVE MIN. F<sub>ck</sub> TO BE ENTERED AND APPROVED BY ENGINEER. CONCRETE SHALL BE CAST AT A MINIMUM RATE OF 100 DMM PER 10 CUBIC METRE OF CONCRETE AT 28 DAYS FOR ALL PICK UP SLABS & BEAMS SHALL BE 45 WPA U/N.
- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
 

500 SLAB S	15000
300 SLAB S	15000
250 SLAB S	15000
- NO OPENINGS LARGER THAN 2000X2000 ARE ALLOWED IN SLAB OTHER THAN THOSE SHOWN ON DRAWINGS.
- PARTITION ALLOWANCE IN RETAIL AREAS IS 2.0 KPa.
- SEE TYPICAL REINFORCEMENT FOR P.C. STAIR AND W/L-LANDING CONSTRUCTION.
- MINIMUM COVER FOR REINFORCING STEEL IN PARKING SLAB SHALL BE 40mm FOR TOP BARS & 30mm FOR BOTTOM BARS.

**GROUND FLOOR BEAM SCHEDULE (f<sub>c</sub>'=45MPa)**

MARK	WIDTH	DEPTH	REINFORCEMENT		STIRRUPS		REMARKS
			BOTTOM	TOP	SIZE	EACH END	
BM-1	1400	900	4-18	10-20	15	15	ADD 2-15HF
BM-2	1400	900	4-18	10-20	15	15	ADD 2-15HF
BM-3	1400	900	4-18	10-20	15	15	ADD 2-15HF
BM-4	1400	900	4-18	10-20	15	15	ADD 2-15HF
BM-5	800	900	4-18	5-20	15	15	ADD 2-15HF
BM-6	800	900	4-18	5-20	15	15	ADD 2-15HF
BM-7	1000	900	4-18	5-20	15	15	ADD 2-15HF
BM-8	850	500	4-18	4-20	15	15	ADD 1-15HF

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MARK	WIDTH	DEPTH	REINFORCEMENT		STIRRUPS		REMARKS
			BOTTOM	TOP	SIZE	EACH END	
HB-1	1500	900	10-25	8-20	15	15	1920, 4000
HB-2	2000	900	14-25	10-20	15	15	1920, 4000
HB-3	2000	900	14-25	10-20	15	15	1920, 4000
HB-4	2000	900	14-25	10-20	15	15	1920, 4000
HB-5	2000	900	14-25	10-20	15	15	1920, 4000
HB-6	2000	900	14-25	10-20	15	15	1920, 4000
HB-7	2000	900	14-25	10-20	15	15	1920, 4000
HB-8	2000	900	14-25	10-20	15	15	1920, 4000
HB-9	2000	900	14-25	10-20	15	15	1920, 4000
HB-10	2000	900	14-25	10-20	15	15	1920, 4000
HB-11	2000	900	14-25	10-20	15	15	1920, 4000
HB-12	2000	900	14-25	10-20	15	15	1920, 4000
HB-13	2000	900	14-25	10-20	15	15	1920, 4000
HB-14	2000	900	14-25	10-20	15	15	1920, 4000
HB-15	3000	900	17-25	14-20	15	15	1975, 7850, 4000
HB-16	3000	900	17-25	14-20	15	15	1985, 10870, 4000
HB-17	3000	900	17-25	14-20	15	15	1985, 10870, 4000
HB-18	3000	900	17-25	14-20	15	15	1985, 10870, 4000
HB-19	3000	900	17-25	14-20	15	15	1985, 10870, 4000
HB-20	3000	900	17-25	14-20	15	15	1985, 10870, 4000
HB-21	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-22	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-23	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-24	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-25	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-26	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-27	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-28	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-29	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-30	3000	900	17-25	14-20	15	15	1920, 4000

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MARK	WIDTH	DEPTH	REINFORCEMENT		STIRRUPS		REMARKS
			BOTTOM	TOP	SIZE	EACH END	
HB-31	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-32	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-33	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-34	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-35	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-36	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-37	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-38	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-39	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-40	2000	900	15-25	12-20	15	15	1970, 10870, 4000
HB-41	2000	900	15-25	12-20	15	15	1970, 10870, 4000
HB-42	2000	900	15-25	12-20	15	15	1970, 10870, 4000
HB-43	2000	900	15-25	12-20	15	15	1970, 10870, 4000
HB-44	2000	900	15-25	12-20	15	15	1970, 10870, 4000
HB-45	2000	900	15-25	12-20	15	15	1970, 10870, 4000
HB-46	2000	900	15-25	12-20	15	15	1970, 10870, 4000
HB-47	3000	900	17-25	14-20	15	15	1965, 10870, 4000
HB-48	3000	900	17-25	14-20	15	15	1965, 10870, 4000
HB-49	3000	900	17-25	14-20	15	15	1965, 10870, 4000
HB-50	3000	900	17-25	14-20	15	15	1965, 10870, 4000
HB-51	3000	900	17-25	14-20	15	15	1975, 17850, 4000
HB-52	4000	900	24-35	15-20	15	15	1975, 17850, 4000
HB-53	4000	900	24-35	15-20	15	15	1975, 17850, 4000
HB-54	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-55	3000	900	17-25	14-20	15	15	1970, 12810, 4000
HB-56	4000	900	24-35	15-20	15	15	1975, 17850, 4000
HB-57	4000	900	24-35	15-20	15	15	1975, 17850, 4000
HB-58	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-59	3000	900	17-25	14-20	15	15	1975, 8220, 4000
HB-60	2800	900	17-25	12-20	15	15	1975, 8220, 4000
HB-61	2800	900	17-25	12-20	15	15	1975, 8220, 4000

- SCALE 1:100
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HB-5	2000	900	14-25	10-20	15	15	1920, 4000
HB-6	2000	900	14-25	10-20	15	15	1920, 4000
HB-7	2000	900	14-25	10-20	15	15	1920, 4000
HB-8	2000	900	14-25	10-20	15	15	1920, 4000
HB-9	2000	900	14-25	10-20	15	15	1920, 4000
HB-10	2000	900	14-25	10-20	15	15	1920, 4000
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