



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	1.50 kPa	1.50 kPa
LOBBIES & STORAGE	1.50 kPa	4.80 kPa
OFFICE PARKING & RAMP	0.60 kPa	2.40 kPa
CAR PARKING AREAS	2.50 kPa	4.80 kPa
TOWERS	1.50 kPa	3.60 kPa
DRIVEWAYS AND SIDEWALKS	MIN.	14.0 kPa
OVER BRACKETS	8.0 kPa	P-54KN*
OVERWINDS AND STAIRWELLS	0.60 kPa	7.20 kPa
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 FORMS AND OILS PERMITTED AND HAVE BEEN TESTED TO BE EXTRACTED AND APPROVED BY THE ENGINEER. CONCRETE SHALL BE CAST AT A MINIMUM RATE OF 100 DMM PER 10 CM OF CONCRETE AT 28 DAYS FOR ALL PICK UP SLABS & BEAMS SHALL BE 45 MPa U/N.
- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 50 MPa U/N.
- NO OPENINGS LARGER THAN 3000x200 ARE ALLOWED IN SLAB OTHER THAN THOSE SHOWN ON DRAWINGS.
- PARTITION ALLOWANCE FOR P.C. STAIR AND W.D.-LANDING CONSTRUCTION SHALL BE 2.0 kPa.
- MINIMUM COVER FOR REINFORCING STEEL IN PARKING SLAB SHALL BE 40mm FOR TOP BARS & 30mm FOR BOTTOM BARS.

GROUND FLOOR BEAM SCHEDULE (f_c'=45MPa)

MARK	WIDTH	DEPTH	REINFORCEMENT		TOP	SIZE	TYPE	SPACING	EACH END	REMARKS
			BOTTOM	ADDED						
BM-1	1400	900	10-20	10-20	15	15	15	15	15	ADD 2-15HF
BM-2	1400	900	10-20	10-20	15	15	15	15	15	ADD 2-15HF
BM-3	1400	900	10-20	10-20	15	15	15	15	15	ADD 2-15HF
BM-4	1400	900	10-20	10-20	15	15	15	15	15	ADD 2-15HF
BM-5	800	900	7-35	5-20	15	15	15	15	15	ADD 2-15HF
BM-6	800	900	7-35	5-20	15	15	15	15	15	ADD 2-15HF
BM-7	1000	900	7-35	5-20	15	15	15	15	15	ADD 2-15HF
BM-8	850	500	7-25	4-20	10	10	10	10	10	ADD 1-15HF

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MARK	WIDTH	DEPTH	REINFORCEMENT		TOP	SIZE	TYPE	SPACING	EACH END	REMARKS
			BOTTOM	ADDED						
HB-1	1500	900	10-25	8-20	15	15	15	15	15	15
HB-2	2000	900	14-25	10-20	15	15	15	15	15	15
HB-3	2000	900	14-25	10-20	15	15	15	15	15	15
HB-4	2000	900	14-25	10-20	15	15	15	15	15	15
HB-5	2000	900	14-25	10-20	15	15	15	15	15	15
HB-6	2000	900	14-25	10-20	15	15	15	15	15	15
HB-7	2000	900	14-25	10-20	15	15	15	15	15	15
HB-8	2000	900	14-25	10-20	15	15	15	15	15	15
HB-9	2000	900	14-25	10-20	15	15	15	15	15	15
HB-10	2000	900	14-25	10-20	15	15	15	15	15	15
HB-11	2000	900	14-25	10-20	15	15	15	15	15	15
HB-12	2000	900	14-25	10-20	15	15	15	15	15	15
HB-13	2000	900	14-25	10-20	15	15	15	15	15	15
HB-14	2000	900	14-25	10-20	15	15	15	15	15	15
HB-15	3000	900	17-25	14-20	15	15	15	15	15	15
HB-16	3000	900	17-25	14-20	15	15	15	15	15	15
HB-17	3000	900	17-25	14-20	15	15	15	15	15	15
HB-18	3000	900	17-25	14-20	15	15	15	15	15	15
HB-19	3000	900	17-25	14-20	15	15	15	15	15	15
HB-20	3000	900	17-25	14-20	15	15	15	15	15	15
HB-21	3000	900	17-25	14-20	15	15	15	15	15	15
HB-22	3000	900	17-25	14-20	15	15	15	15	15	15
HB-23	3000	900	17-25	14-20	15	15	15	15	15	15
HB-24	3000	900	17-25	14-20	15	15	15	15	15	15
HB-25	3000	900	17-25	14-20	15	15	15	15	15	15
HB-26	3000	900	17-25	14-20	15	15	15	15	15	15
HB-27	3000	900	17-25	14-20	15	15	15	15	15	15
HB-28	3000	900	17-25	14-20	15	15	15	15	15	15
HB-29	3000	900	17-25	14-20	15	15	15	15	15	15
HB-30	3000	900	17-25	14-20	15	15	15	15	15	15

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

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- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 50 MPa U/N.
- NO OPENINGS LARGER THAN 3000x200 ARE ALLOWED IN SLAB OTHER THAN THOSE SHOWN ON DRAWINGS.
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- MINIMUM COVER FOR REINFORCING STEEL IN PARKING SLAB SHALL BE 40mm FOR TOP BARS & 30mm FOR BOTTOM BARS.
- TEMPERATURE REINFORCING FOR VEHICLES EXCEEDING 9000 kg GROSS WEIGHT.
- CONCRETE STRENGTH AT 28 DAYS SHALL BE 35 MPa AND CONCRETE STRENGTH AT 7 DAYS SHALL BE 25 MPa. OTHER FORMS OF FORMS AND OILS PERMITTED AND HAVE BEEN TESTED TO BE EXTRACTED AND APPROVED BY THE ENGINEER. CONCRETE SHALL BE CAST AT A MINIMUM RATE OF 100 DMM PER 10 CM OF CONCRETE AT 28 DAYS FOR ALL PICK UP SLABS & BEAMS SHALL BE 45 MPa U/N.
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- SEE COLUMN & WALL SCHEDULE ON DRAWINGS S-101 TO S-106.
- SEE GENERAL NOTES ON DRAWINGS S-101 TO S-106.
- SEE ARCH. DRAWINGS FOR EXACT FLOOR SLOPES & CURBS.
- FOR OPENINGS EXACT LOCATION & DIMENSION SEE ARCH. DWGS & MECH. DWGS.
- ALL OPENINGS SHALL BE DESIGN FOR LIVE LOAD OF 4.8 kPa.
- DESIGN OF HATCHED AREA FOR GREATER VALUE OF 36,000 kg PER SQUARE AND FEED THROUGH OR THE CL-625 THICK. IN ACCORDANCE WITH FOLLOWING MINIMUM REQUIREMENTS:
- UNIFORM L-1120 W/4 (B/C TABLE 4.11.3)
- ADDITIONAL REQUIREMENTS OF CHRC CSA-S5

ALEXANDRA PARK - BLOCK 11
TORONTO, ONTARIO

Joblonsky, Asif
and Partners
ENGINEERS

First Floor Elev. 83.00m

DATE: 11/05/2014
SCALE: 1/100
DRAWN BY: [Name]
CHECKED BY: [Name]