



CRANE OPENING REINF.

FOR ADDITIONAL REINFORCING SEE TYPICAL DETAILS

GROUND FLOOR FRAMING PLAN

SCALE 1 : 100

- TOP OF ROUGH SLAB IS 0mm BELOW FINISHED FLOOR AT ELEVATION 93.60 EXCEPT AS CROSSED AND NOTED ON PLAN.
- FLOOR SLABS ARE DESIGNED FOR FOLLOWING LOADING CONDITIONS :

	S.I.D.	L.L.
RESIDENTIAL AREAS	1.30 KPa	1.90 KPa
STAIRS & BALCONIES	0.50 KPa	4.80 KPa
LOCKERS & STORAGE	1.30 KPa	4.80 KPa
CAR PARKING & RAMPS	0.60 KPa	2.40 KPa
OFFICE AREAS	2.30 KPa	4.80 KPa
TOILETS	1.30 KPa	2.40 KPa
RETAIL	2.30 KPa	9.60 KPa
DRIVEWAYS AND SIDEWALKS OVER BASEMENTS	MIN. 8.0 KPa	14.0 KPa
DRIVEWAYS AND SIDEWALKS OVER BASEMENTS	8.0 KPa	P=54KN *
GARBAGE STORAGE	0.60 KPa	7.20 KPa

* APPLICABLE FOR FLOOR USED BY VEHICLES EXCEEDING 9000 Kg GROSS WEIGHT.

- CONCRETE STRENGTH AT 28 DAYS SHALL BE 35 MPa AND CONCRETE STRENGTH AT 28 DAYS SHALL BE 35 MPa OUTSIDE FOOTPRINT OF TOWER AND OR EXPOSED TO DE-IONIC CHEMICALS AND SHALL BE PROPORTIONED FOR C-1 EXPOSURE CLASSIFICATION AND HAVE MIN. 16% TO 8% ENTRAINED AIR, WITH APPROVED CORROSION INHIBITOR ADDED AT A MINIMUM RATE OF 10.0 LITRES PER 1.0 CUBIC METRE OF CONCRETE.
- CONCRETE STRENGTH 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.
- TEMPERATURE REINFORCING FOR : 250 SLAB IS 150400 500 SLAB IS 150200 900 SLAB IS 250275
- NO OPENINGS LARGER THAN 300x300 ARE ALLOWED IN SLAB OTHER THAN THOSE SHOWN ON DRAWINGS.
- PARTITION ALLOWANCE IN RETAIL AREAS IS 2.0 kPa.
- SEE TYPICAL PROVISION FOR P.C. STAIR AND MID-LANDING CONSTRUCTION ON DRAWING S-002.
- MINIMUM COVER FOR REINFORCING STEEL IN PARKING SLAB SHALL BE 40mm FOR TOP BARS & 30mm FOR BOTTOM BARS.

10. SEE COLUMN & WALL SCHEDULE ON DRAWINGS S-301 TO S-306.

11. SEE TYPICAL DETAILS ON DRAWINGS S-001 TO S-006.

12. SEE GENERAL NOTES ON DRAWING S-001.

13. SEE ARCH. DRAWINGS FOR EXACT FLOOR SLOPES & CURBS.

14. FOR OPENINGS EXACT LOCATION & DIMENSION SEE ARCH. DWG'S & MECH. DWG'S.

15. ALL GRATING SHALL BE DESIGN FOR LIVE LOAD OF 4.8 KPa.

16. DESIGN OF HATCHED AREA FOR GREATER VALUE OF 36,000 kg (FOR GARBAGE AND FIRE TRUCKS) OR THE CL-625 TRUCK, IN ACCORDANCE WITH FOLLOWING MINIMUM REQUIREMENTS:

- UNIFORM LL=12.0 KPa (IBC TABLE 4.1.5.3)
- CONCENTRATED LL=54.0 kN (IBC TABLE 4.1.5.10)
- ADDITIONAL REQUIREMENTS OF CHBC CSA-S6

GROUND FLOOR BEAM SCHEDULE (fc'=45MPa)

MARK	WIDTH	DEPTH	REINFORCEMENT		SIZE	TYPE	STIRRUPS	SPACING EACH END	REMARKS
			BOTTOM CONT.	TOP ADDED					
BM-1	1400	900	26-35	10-20	15	1080, Ø160			ADD 2-15HEF
BM-2	1400	900	26-35	10-20	15	1080, Ø160			ADD 2-15HEF
BM-3	1400	900	26-35	10-20	15	1080, Ø160			ADD 2-15HEF
BM-4	1400	900	26-35	10-20	15	1080, Ø160			ADD 2-15HEF
BM-5	800	900	7-35	5-20	15	10175, Ø350			ADD 2-15HEF
BM-6	800	900	7-35	5-20	15	10175, Ø350			ADD 2-15HEF
BM-7	1000	900	7-30	5-20	15	10150, Ø300			ADD 2-15HEF
BM-8	850	500	7-25	4-20	10	10150, Ø300			ADD 1-15HEF

GROUND FLOOR BEAM SCHEDULE (fc'=45MPa)

MARK	WIDTH	DEPTH	REINFORCEMENT		SIZE	TYPE	STIRRUPS	SPACING EACH END	REMARKS
			BOTTOM CONT.	TOP ADDED					
HB-1	1500	900	10-25	8-20	15	10200, Ø400			
HB-2	2000	900	14-25	10-20	15	10200, Ø400			
HB-3	2000	900	14-25	10-20	15	10200, Ø400			
HB-4	2000	900	14-25	10-20	15	10200, Ø400			
HB-5	2000	900	14-25	10-20	15	10200, Ø400			
HB-6	2000	900	14-25	10-20	15	10200, Ø400			
HB-7	2000	900	14-25	10-20	15	10200, Ø400			
HB-8	2000	900	14-25	10-20	15	10200, Ø400			
HB-9	2000	900	14-25	10-20	15	10200, Ø400			
HB-10	2000	900	14-25	10-20	15	10200, Ø400			
HB-11	2000	900	16-30	10-20	15	10120, Ø8245, Ø350			
HB-12	2000	900	14-25	10-20	15	10200, Ø400			
HB-13	2000	900	14-25	10-20	15	10200, Ø400			
HB-14	2000	900	14-25	10-20	15	10200, Ø400			
HB-15	3000	900	17-25	14-20	15	10200, Ø400			
HB-16	3000	900	17-25	14-20	15	1075, 70150, Ø400			
HB-17	3000	900	17-25	14-20	15	1060, 90120, Ø400			
HB-18	3000	900	21-25	14-20	15	1085, 108170, Ø400			
HB-19	3000	900	20-30	14-20	15	10115, 120230, Ø400			
HB-20	3000	900	17-25	14-20	15	1055, 108105, Ø400			
HB-21	3000	900	23-25	14-20	15	1070, 120140, Ø400			
HB-22	3000	900	23-25	14-20	15	10120, 110245, Ø400			
HB-23	3000	900	17-25	14-20	15	1070, 80140, Ø400			
HB-24	3000	900	17-25	14-20	15	1050, 120100, Ø350			
HB-25	3000	900	18-30	14-20	15	1065, 130135, Ø400			
HB-26	3000	900	20-25	14-25	15	1095, 108185, Ø350			
HB-27	3000	900	23-25	14-25	15	1075, 208150, Ø350			
HB-28	3000	900	17-25	14-25	15	10120, 80245, Ø350			
HB-29	3000	900	18-25	14-20	15	10140, 70235, Ø400			
HB-30	3000	900	18-25	14-20	15	10200, Ø400			

GROUND FLOOR BEAM SCHEDULE (fc'=45MPa)

MARK	WIDTH	DEPTH	REINFORCEMENT		SIZE	TYPE	STIRRUPS	SPACING EACH END	REMARKS
			BOTTOM CONT.	TOP ADDED					
HB-31	3000	900	17-25	14-20	15	10115, Ø8230, Ø350			
HB-32	3000	900	18-25	14-20	15	10175, Ø350			
HB-33	3000	900	17-25	14-20	15	10175, Ø350			
HB-34	3000	900	17-30	14-20	15	1050, 170100, Ø300			
HB-35	3000	900	17-25	14-20	15	10175, Ø350			
HB-36	3000	900	18-30	14-30	15	1050, 170100, Ø350			
HB-37	3000	900	17-25	14-30	15	10175, Ø350			
HB-38	3000	900	18-25	14-30	15	1055, 170110, Ø350			
HB-39	2000	900	15-25	12-20	15	10200, Ø400			
HB-40	2000	900	15-25	12-20	15	10200, Ø400			
HB-41	2000	900	15-25	12-20	15	1070, 108100, Ø300			
HB-42	2000	900	15-30	12-20	15	10100, Ø8200, Ø400			
HB-43	2000	900	15-30	15-25	15	10105, Ø8210, Ø300			
HB-44	2000	900	24-35	15-25	15	1065, Ø135			
HB-45	2000	900	24-35	15-25	15	1065, 140130, Ø200			
HB-46	3000	900	14-30	15-25	15	1050, 12095, Ø250			
HB-47	3000	900	17-25	15-25	15	1055, 108110, Ø400			
HB-48	3000	900	17-25	15-20	15	1055, 108110, Ø400			
HB-49	3000	900	35-30	15-20	15	1065, 108175, Ø200			
HB-50	3000	900	35-30	15-20	15	1075, 170150, Ø330			
HB-51	3000	900	35-30	15-20	15	1075, 170150, Ø330			
HB-52	4000	900	35-30	15-20	15	10135, Ø8270, Ø310			
HB-53	3000	900	24-35	15-20	15	10135, Ø8270, Ø310			
HB-54	3000	900	24-35	15-20	15	10135, Ø8270, Ø310			
HB-55	3000	900	19-35	15-20	15	10150, Ø300			
HB-56	4000	900	35-30	15-20	15	10135, Ø8270, Ø310			
HB-57	5000	900	35-30	30-25	15	1075, 108150, Ø180			
HB-58	3000	900	22-30	15-25	15	10195, Ø9195, Ø350			
HB-59	3000	900	22-25	15-20	15	10195, Ø9195, Ø350			
HB-60	2500	900	17-35	12-20	15	10175, Ø330			
HB-61	2500	900	17-25	12-20	15	10110, Ø8210, Ø350			

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FIRST FLOOR ELEV. 93.60m

NO.	ISSUED / REVISION	DATE
1	ISSUED FOR PERMIT	2014-08-26
2	RE ISSUED FOR PERMIT	2014-07-10
3	ISSUED FOR FORMING TENDER	2014-04-27
4	CONSTRUCTION PERMIT	2014-04-01
5	RE ISSUED FOR PERMIT	2014-01-27
6	ISSUED FOR CONSTRUCTION	2013-05-16
7	UPDATED - JFC	2013-04-28
8	UPDATED - JFC	2013-03-27
9	ISSUED FOR S/S	2013-07-26

ALEXANDRA PARK - BLOCK 11
TORONTO, ONTARIO

project no: 13015
scale: 1:100
drawn by: H.W.
reviewed by: H.P.
date started: MARCH 2014

GROUND FLOOR
FRAMING PLAN

S-103

2015-07-26