

GROUND FLOOR FRAMING PLAN

- SCALE 1 : 100
- 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
LOCKERS & STORAGE	1.50 kPa	4.80 kPa
CAR PARKING & RAMP	0.60 kPa	2.40 kPa
OFFICE AREAS	2.50 kPa	4.80 kPa
TOILETS	1.50 kPa	2.40 kPa
RETAIL	2.50 kPa	3.60 kPa
DRIVEWAYS AND SIDEWALKS	MIN.	14.0 kPa
OVER PARKING AREAS	8.0 kPa	P-54KN*
OVERWAYS AND SIDEWALKS	8.0 kPa	P-54KN*
CARTRIDGE STORAGE	0.60 kPa	7.20 kPa
- *VEHICLE FOR FLOOR USED BY 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. ALL OTHER STRENGTHS SHALL BE AS SHOWN ON DRAWINGS.
- REINFORCEMENT SHALL BE AS SHOWN ON DRAWINGS. ALL REINFORCEMENT SHALL BE 100% WELDED.
- MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
- NO OPENINGS LARGER THAN 300x300 ARE ALLOWED IN SLAB.
- PARTITION ALLOWANCE IN RETAIL AREAS IS 2.0 kPa.
- SEE TYPICAL REINFORCEMENT FOR P.C. STAIR AND W.D.-LANDING CONSTRUCTION.
- MINIMUM COVER FOR REINFORCING STEEL IN PARKING SLAB SHALL BE 40mm FOR TOP BARS & 30mm FOR BOTTOM BARS.

GROUND FLOOR BEAM SCHEDULE (fc' = 45MPa)

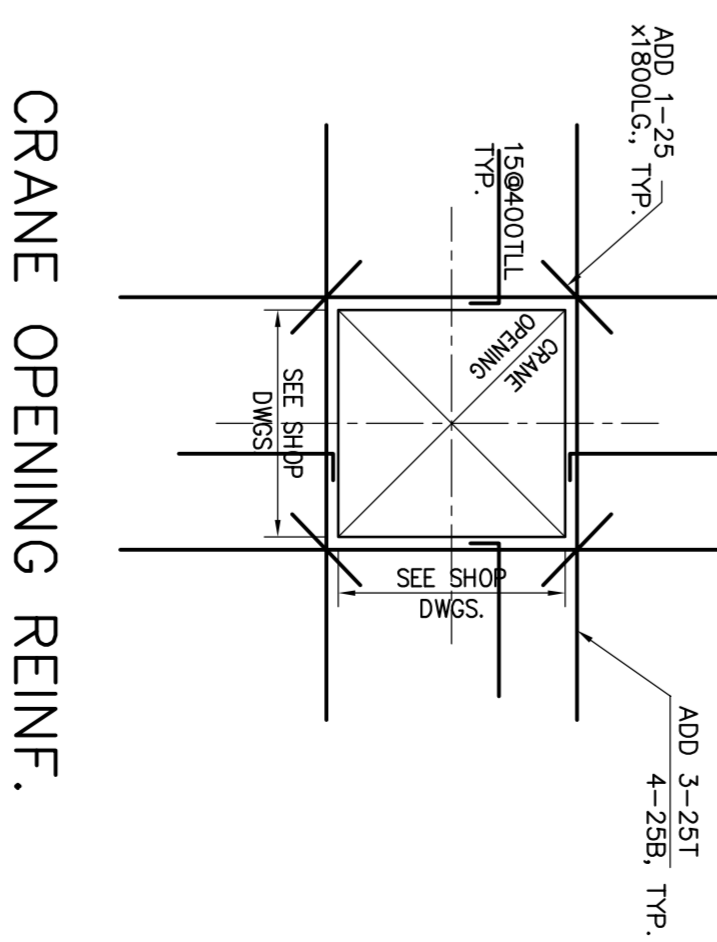
MARK	WIDTH	DEPTH	REINFORCEMENT		STIRRUPS		REMARKS
			BOTTOM CONT. ADDED	TOP CONT. ADDED	SIZE	EACH END	
BM-1	1400	900	10-20	10-20	15	15	ADD 2-15H/F
BM-2	1400	900	10-20	10-20	15	15	ADD 2-15H/F
BM-3	1400	900	10-20	10-20	15	15	ADD 2-15H/F
BM-4	1400	900	10-20	10-20	15	15	ADD 2-15H/F
BM-5	800	900	7-35	5-20	15	15	ADD 2-15H/F
BM-6	800	900	7-35	5-20	15	15	ADD 2-15H/F
BM-7	1000	900	7-30	5-20	15	15	ADD 2-15H/F
BM-8	1000	900	7-25	4-20	10	10	ADD 1-15H/F

GROUND FLOOR BEAM SCHEDULE (fc' = 45MPa)

MARK	WIDTH	DEPTH	REINFORCEMENT		STIRRUPS		REMARKS
			BOTTOM CONT. ADDED	TOP CONT. ADDED	SIZE	EACH END	
HB-1	2000	900	14-25	10-20	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	2000	900	14-25	10-20	15	15	1920, 4000
HB-16	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-17	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-18	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-19	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-20	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-21	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-22	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-23	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-24	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-25	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-26	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-27	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-28	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-29	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-30	3000	900	17-25	14-20	15	15	1975, 7250, 4000

GROUND FLOOR BEAM SCHEDULE (fc' = 45MPa)

MARK	WIDTH	DEPTH	REINFORCEMENT		STIRRUPS		REMARKS
			BOTTOM CONT. ADDED	TOP CONT. ADDED	SIZE	EACH END	
HB-31	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-32	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-33	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-34	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-35	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-36	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-37	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-38	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-39	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-40	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-41	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-42	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-43	2000	900	15-30	12-20	15	15	1975, 4000, 4000
HB-44	2000	900	15-30	12-20	15	15	1975, 4000, 4000
HB-45	2000	900	15-30	12-20	15	15	1975, 4000, 4000
HB-46	2000	900	15-30	12-20	15	15	1975, 4000, 4000
HB-47	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-48	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-49	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-50	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-51	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-52	4000	900	24-35	15-20	15	15	1975, 7250, 4000
HB-53	4000	900	24-35	15-20	15	15	1975, 7250, 4000
HB-54	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-55	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-56	4000	900	24-35	15-20	15	15	1975, 7250, 4000
HB-57	4000	900	24-35	15-20	15	15	1975, 7250, 4000
HB-58	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-59	3000	900	17-25	14-20	15	15	1975, 7250, 4000
HB-60	2800	900	17-25	14-20	15	15	1975, 7250, 4000
HB-61	2800	900	17-25	14-20	15	15	1975, 7250, 4000



10. SET COLUMN & WALL SCHEDULE ON DRAWINGS S-301 TO S-306.
11. SET GENERAL NOTES ON DRAWINGS S-001 TO S-006.
12. SET ARCH DRAWS FOR EXACT FLOOR SLOPES & CURBS.
13. SEE ARCH DRAWS FOR EXACT FLOOR SLOPES & CURBS.
14. FOR OPENINGS EXACT LOCATION & DIMENSION SEE ARCH DWS'S & MECH. DWS'S.
15. ALL OPENINGS SHALL BE DESIGN FOR LIVE LOAD OF 4.8 kPa.
16. DESIGN OF HATCHED AREA [diagonal lines] FOR GREATER VALUE OF 36,000 kg PER SQUARE AND FREE FIBRES OR THE CL-625 THICK. IN ACCORDANCE WITH FOLLOWING MINIMUM REINFORCEMENT:

UNIFORM L-120 W/4 (B/C TABLE 4.11.3)
0) ADDITIONAL REINFORCEMENT OF 50% (1.5.10)
1) ADDITIONAL REINFORCEMENT OF 50% (1.5.10)
2) ADDITIONAL REINFORCEMENT OF 50% (1.5.10)

ALEXANDRA PARK - BLOCK 11
TORONTO, ONTARIO

Joblonsky, Asif
and Partners
ENGINEERS
2000 SHEPPARD AVENUE EAST, SUITE 200
SCARBOROUGH, ONTARIO M1S 1T7
Tel: 416-444-2777
Fax: 416-444-2777
E-mail: info@joblonsky.com

P.F. ASIF
P.Eng. (1007)

FIRST FLOOR ELEV. 83.00M

NO.	REVISION	DATE
1	ISSUED FOR PERMIT	2014
2	REVISED FOR COMMENTS	2014
3	REVISED FOR COMMENTS	2014
4	REVISED FOR COMMENTS	2014
5	REVISED FOR COMMENTS	2014
6	REVISED FOR COMMENTS	2014
7	REVISED FOR COMMENTS	2014
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DATE: 11/09
SCALE: 1:100
DRAWN BY: [Signature]
CHECKED BY: [Signature]
DATE: MARCH 2014