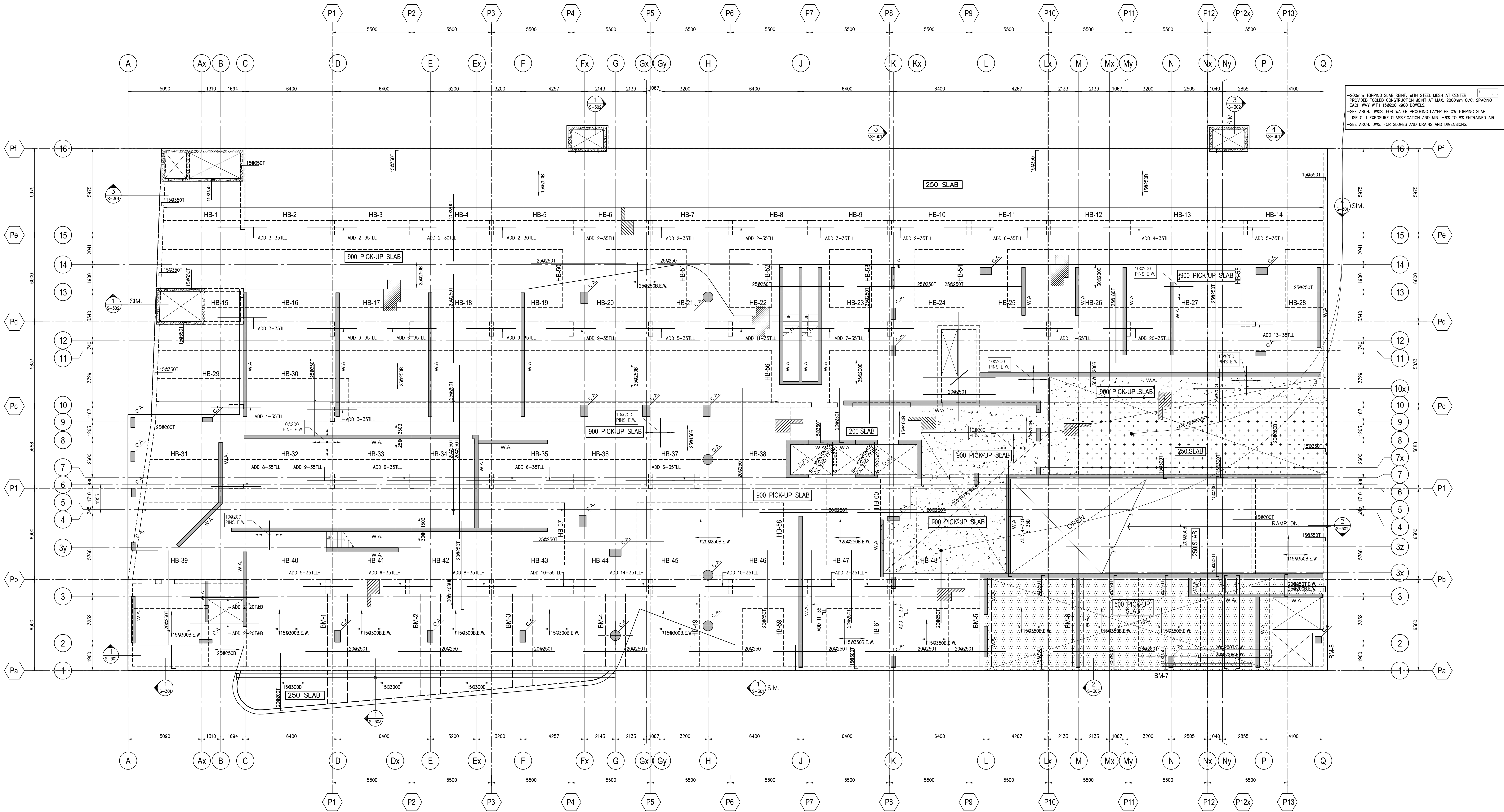




-200mm TOPPING SLAB REIN. WITH STEEL MESH AT CENTER
PROVIDED TOOKED CONSTRUCTION JOINT AT MAX. 2000mm O/C SPACING
EACH WAY WITH 150000 AND 300000
-SEE ARCH. DWGS. FOR WATER PROOFING LAYER BELOW TOPPING SLAB
-USE C-1 EXPOSURE CLASSIFICATION AND MIN. ASK TO BE ENTRAINED AIR
-SEE ARCH. DWG. FOR SLOPES AND DRAINS AND DIMENSIONS.

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 7 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 150000 500 SLAB IS 150000 900 SLAB IS 250000
 - 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.

- SEE COLUMN & WALL SCHEDULE ON DRAWINGS S-301 TO S-306.
- SEE TYPICAL DETAILS ON DRAWINGS S-001 TO S-006.
- SEE GENERAL NOTES ON DRAWING S-001.
- SEE ARCH. DRAWINGS FOR EXACT FLOOR SLOPES & CURBS.
- FOR OPENINGS EXACT LOCATION & DIMENSION SEE ARCH. DWG'S & MECH. DWG'S.
- ALL GRATING SHALL BE DESIGN FOR LIVE LOAD OF 4.8 KPa.
- DESIGN OF HATCHED AREA  ALLOWS FOR LIVE LOAD OF TRUCKS UP TO A MAXIMUM OF 13,500 kgs, 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-58

GROUND FLOOR BEAM SCHEDULE (fc'=45MPa)									
MARK	WIDTH	DEPTH	REINFORCEMENT		SIZE	TYPE	STIRRUPS		REMARKS
			BOTTOM CONT.	TOP ADDED			SIZE	SPACING EACH END	
BM-1	1400	900	26-35	10-20	15	1000, 0160			ADD 2-15HEF
BM-2	1400	900	26-35	10-20	15	1000, 0160			ADD 2-15HEF
BM-3	1400	900	26-35	10-20	15	1000, 0125			ADD 2-15HEF
BM-4	1400	900	33-35	10-20	15	1000, 0125			ADD 2-15HEF
BM-5	800	900	7-35	5-20	15	10175, 0350			ADD 2-15HEF
BM-6	800	900	7-35	5-20	15	10175, 0350			ADD 2-15HEF
BM-7	1000	900	7-30	5-20	15	10150, 0300			ADD 2-15HEF
BM-8	1000	500	7-25	4-20	10	10150, 0300			ADD 1-15HEF

GROUND FLOOR BEAM SCHEDULE (fc'=45MPa)									
MARK	WIDTH	DEPTH	REINFORCEMENT		SIZE	TYPE	STIRRUPS		REMARKS
			BOTTOM CONT.	TOP ADDED			SIZE	SPACING EACH END	
HB-1	2000	900	14-25	10-20	15	10200, 0400			
HB-2	2000	900	14-25	10-20	15	10200, 0400			
HB-3	2000	900	14-25	10-20	15	10200, 0400			
HB-4	2000	900	14-25	10-20	15	10200, 0400			
HB-5	2000	900	14-25	10-20	15	10200, 0400			
HB-6	2000	900	14-25	10-20	15	10200, 0400			
HB-7	2000	900	14-25	10-20	15	10200, 0400			
HB-8	2000	900	14-25	10-20	15	10200, 0400			
HB-9	2000	900	14-25	10-20	15	10200, 0400			
HB-10	2000	900	14-25	10-20	15	10200, 0400			
HB-11	2000	900	16-30	10-20	15	10120, 08245, 0350			
HB-12	2000	900	14-25	10-20	15	10200, 0400			
HB-13	2000	900	17-25	10-20	15	10200, 0400			
HB-14	2000	900	14-25	10-20	15	10200, 0400			
HB-15	3000	900	17-25	14-20	15	10200, 0400			
HB-16	3000	900	17-25	14-20	15	1075, 70150, 0400			
HB-17	3000	900	17-25	14-20	15	1060, 90120, 0400			
HB-18	3000	900	21-25	14-20	15	1085, 108170, 0400			
HB-19	3000	900	20-30	14-20	15	10115, 120230, 0400			
HB-20	3000	900	17-25	14-20	15	1055, 108105, 0400			
HB-21	3000	900	23-25	14-20	15	1070, 120140, 0400			
HB-22	3000	900	23-25	14-20	15	10120, 110245, 0400			
HB-23	3000	900	17-25	14-20	15	1070, 09140, 0400			
HB-24	3000	900	17-25	14-20	15	1050, 120100, 0350			
HB-25	3000	900	18-30	14-20	15	1065, 130135, 0400			
HB-26	3000	900	20-25	14-25	15	1095, 108185, 0350			
HB-27	3000	900	23-25	14-25	15	1075, 200150, 0350			
HB-28	3000	900	17-25	14-25	15	10120, 08245, 0350			
HB-29	3000	900	18-25	14-20	15	10140, 70235, 0400			
HB-30	3000	900	18-25	14-20	15	10200, 0400			

GROUND FLOOR BEAM SCHEDULE (fc'=45MPa)									
MARK	WIDTH	DEPTH	REINFORCEMENT		SIZE	TYPE	STIRRUPS		REMARKS
			BOTTOM CONT.	TOP ADDED			SIZE	SPACING EACH END	
HB-31	3000	900	17-25	14-20	15	10115, 08230, 0350			
HB-32	3000	900	18-25	14-20	15	10175, 0350			
HB-33	3000	900	17-25	14-20	15	10175, 0350			
HB-34	3000	900	17-30	14-20	15	1050, 170100, 0300			
HB-35	3000	900	17-25	14-20	15	10175, 0350			
HB-36	3000	900	18-30	14-30	15	1050, 170100, 0350			
HB-37	3000	900	17-25	14-30	15	10175, 0350			
HB-38	3000	900	18-25	14-30	15	1055, 170110, 0350			
HB-39	2000	900	15-25	12-20	15	10200, 0400			
HB-40	2000	900	15-25	12-20	15	10200, 0400			
HB-41	2000	900	15-25	12-20	15	1070, 80140, 0400			
HB-42	2000	900	15-30	12-20	15	10100, 90200, 0400			
HB-43	2000	900	15-30	15-25	15	10105, 08210, 0300			
HB-44	2000	900	24-35	15-25	15	1065, 0135			
HB-45	2000	900	24-35	15-25	15	1065, 140130, 0200			
HB-46	3000	900	14-30	15-25	15	1050, 12095, 0250			
HB-47	3000	900	17-25	15-25	15	1055, 108110, 0400			
HB-48	3000	900	17-25	15-20	15	1055, 108110, 0400			
HB-49	3000	900	33-35	15-20	15	1065, 108175, 0200			
HB-50	3000	900	24-35	15-20	15	1075, 170150, 0330			
HB-51	3000	900	35-30	15-20	15	1075, 170150, 0330			
HB-52	4000	900	35-30	15-20	15	10135, 08270, 0310			
HB-53	3000	900	24-35	15-20	15	10135, 08270, 0310			
HB-54	3000	900	24-35	15-20	15	10135, 08270, 0310			
HB-55	3000	900	19-35	15-20	15	10150, 0300			
HB-56	4000	900	35-30	15-20	15	10135, 08270, 0310			
HB-57	5000	900	30-25	15-20	15	1075, 108150, 0180			
HB-58	3000	900	22-30	15-20	15	10195, 09195, 0350			
HB-59	3000	900	22-25	15-20	15	10195, 09195, 0350			
HB-60	2500	900	17-35	12-20	15	10175, 0330			
HB-61	2500	900	17-25	12-20	15	10110, 50210, 0350			

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IMPERIAL SCALE DRAWING
FIRST FLOOR ELEV. 93.60m

NO.	ISSUED / REVISION	DATE
1	ISSUED FOR PERMIT	2014-08-31
2	REVISION FOR PERMIT	2014-07-30
3	ISSUED FOR FORMING TENDER	2014-08-27

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

GROUND FLOOR
FRAMING PLAN