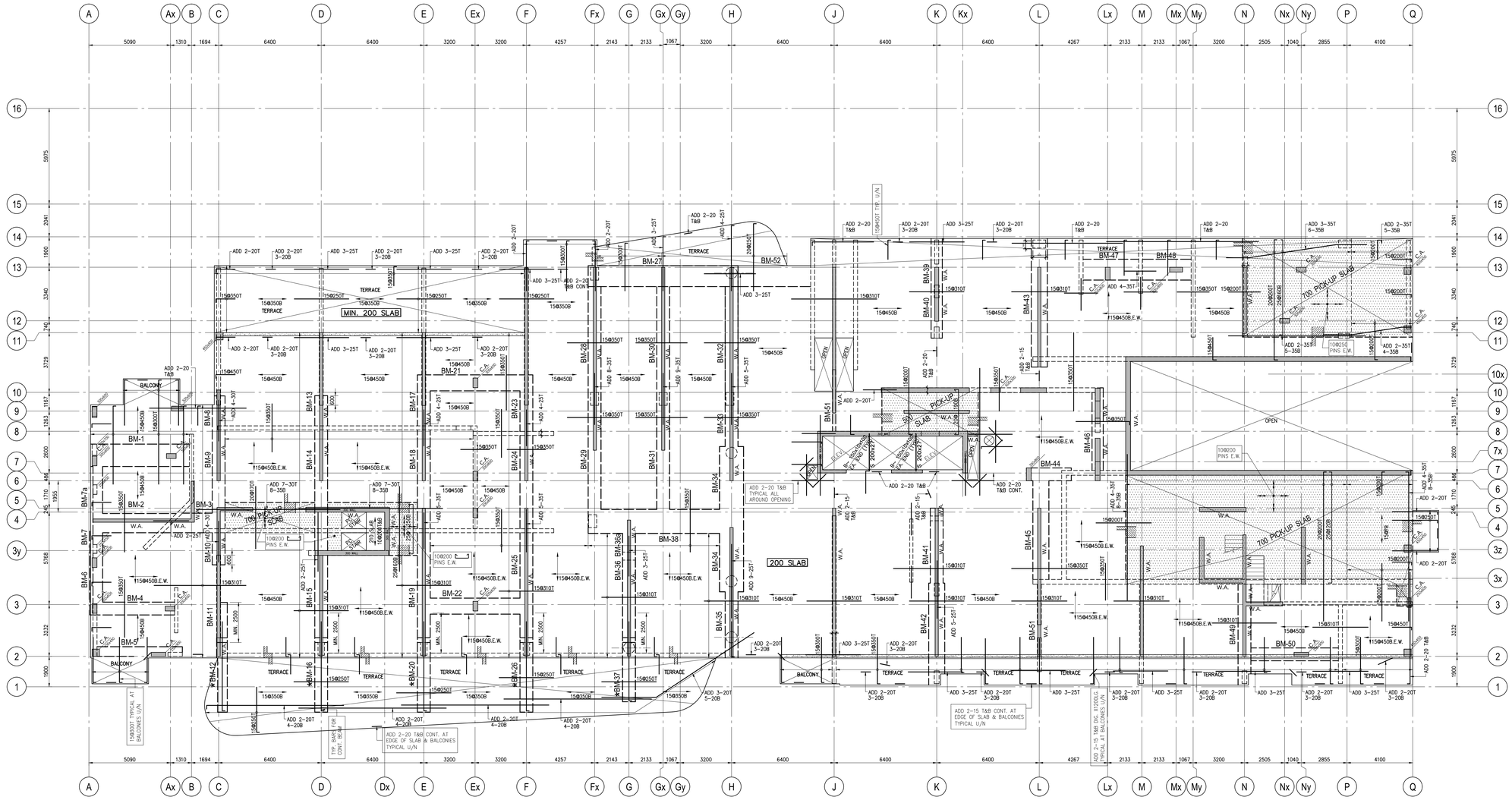

2ND FLOOR FRAMING PLAN

SCALE 1 : 100

1. TOP OF SLAB IS AT ELEVATION AS SHOWN ON ARCH. DRAWINGS EXCEPT AS CROSSED AND NOTED ON PLAN.
2. CONCRETE STRENGTH AT 28 DAYS SHALL BE:
   - FOR WALLS AND COLUMNS ..... SEE SCHEDULE
   - FOR EXT. SLABS ..... 35 MPa
   - FOR INTERIOR SLABS ..... 25 MPa
   - FOR BEAMS ..... 35 MPa
   - FOR PICK-UP SLABS ..... 35 MPa

   CONCRETE EXPOSED TO ELEMENTS SHALL BE 35 MPa WITH 6% TO 8% ENTRAINED AIR.
3. FLOOR SLABS ARE DESIGNED FOR FOLLOWING LOADING CONDITIONS :

	S.I.D.	L.L.
STAIRS & BALCONIES	0.50 KPa	4.80 KPa
LOCKERS & STORAGE *	1.30 KPa	4.80 KPa
RESIDENTIAL	1.3 KPa	1.9 KPa
TOILETS	1.30 KPa	2.40 KPa
TERRACES	5.0 KPa	4.80 KPa

* =

4. MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
5. TEMPERATURE REINFORCING FOR : 200 SLAB IS 10@250
   500 SLAB IS 15@200.
   700 SLAB IS 20@210.
6. NO OPENINGS LARGER THAN 300mm x 300mm ARE ALLOWED IN SLAB OTHER THAN THOSE SHOWN ON DRAWINGS.
7. SEE TYPICAL DETAILS ON DRAWINGS S-001 TO S-006.
8. SEE GENERAL NOTES ON DRAWING S-001.
9. REFER TO ARCH. DRAWINGS FOR SLOPES OF SLAB.
10. FOR COLUMN & WALL SCHEDULE SEE DRAWINGS S-301 TO S-306.
11. COORDINATE BEAM DEPTH AT DOOR OPENINGS WITH ARCH. DRAWINGS.
12. EXTEND TEMP. REINF. TO END OF BALCONIES/OVERHANGS.
13. TOP BARS TERMINATING AT EDGE OF SLAB TO HAVE 180° HOOK.

2ND FLOOR BEAM SCHEDULE (fc'=35MPa)

MARK	WIDTH	DEPTH	REINFORCEMENT BOTTOM CONT.	BOTTOM ADDED	TOP CONT.	TOP "A"BARS	STIRRUPS SIZE	STIRRUPS TYPE	STIRRUPS SPACING EACH END	REMARKS
BM-1	1400	700	12-25		6-20		10		1@110, 6@230, @400	ADD 1-15HEF
BM-2	1200	700	8-20		5-20		10		1@185, @370	ADD 1-15HEF
BM-3	1200	700	8-20		5-20		10		1@185, @370	ADD 1-15HEF
BM-4	800	700	5-25		4-20		15		1@70, 6@140, @400	ADD 1-15HEF
BM-5	600	700	5-30		4-20		15		1@150, @300	ADD 1-15HEF
BM-6	600	700	4-20		4-20		10		1@110, @220	ADD 1-15HEF
BM-7	600	700	4-25		4-20		10		1@110, @220	ADD 1-15HEF
BM-7a	600	700	4-20		4-20		10		1@125, @250	ADD 1-15HEF
BM-8	800	700	5-20		7-30		10		1@200, @400	ADD 1-15HEF
BM-9	800	700	7-35		7-30		15		1@50, 21@95, @235	ADD 1-15HEF
BM-10	800	700	5-20		7-30		10		1@200, @400	ADD 1-15HEF
BM-11	600	700	6-25		6-30		10		1@200, @400	ADD 1-15HEF
BM-12	600	700	6-25		6-30		15		1@175, @350	ADD 1-15HEF *
BM-13	800	700	6-25		6-25		10		1@150, @300	ADD 1-15HEF
BM-14	800	700	6-25		6-25		15		1@135, 5@270, @350	ADD 1-15HEF
BM-15	800	700	6-30		6-25		15		1@135, 5@270, @350	ADD 1-15HEF
BM-16	800	700	5-20		6-30		15		1@175, @350	ADD 1-15HEF *
BM-17	800	700	5-20		5-20		10		1@150, @330	ADD 1-15HEF
BM-18	800	700	6-25		6-25		15		1@110, 6@220, @350	ADD 1-15HEF
BM-19	800	700	7-25		6-20		15		1@85, 8@175, @270	ADD 1-15HEF
BM-20	800	700	5-20		6-30		15		1@175, @350	ADD 1-15HEF *
BM-21	1000	700	16-35 2 LAYERS		6-20		15		1@150, @300	ADD 1-15HEF
BM-22	1000	700	16-35 2 LAYERS		6-20		15		1@150, @300	ADD 1-15HEF
BM-23	800	700	5-20		5-20		10		1@150, @330	ADD 1-15HEF
BM-24	800	700	6-25		5-20		15		1@110, 6@220, @350	ADD 1-15HEF
BM-25	800	700	7-25		6-25		15		1@85, 8@175, @270	ADD 1-15HEF
BM-26	800	700	5-20		6-30		15		1@175, @350	ADD 1-15HEF *

* CAMBER UP END OF THE BEAM BY 20 MM

2ND FLOOR BEAM SCHEDULE (fc'=35MPa)

MARK	WIDTH	DEPTH	REINFORCEMENT BOTTOM CONT.	BOTTOM ADDED	TOP CONT.	TOP "A"BARS	STIRRUPS SIZE	STIRRUPS TYPE	STIRRUPS SPACING EACH END	REMARKS
BM-27	1300	1000	30-35 3 LAYERS		8-30		15		1@100, 6@200, @250	ADD 1-15HEF
BM-28	800	700	8-35		6-20		15		1@85, 8@175, @275	ADD 1-15HEF
BM-29	800	700	8-25		6-20		15		1@100, 10@200, @350	ADD 1-15HEF
BM-30	800	700	8-35		6-20		15		1@85, 8@175, @275	ADD 1-15HEF
BM-31	800	700	8-25		6-20		15		1@100, 10@200, @350	ADD 1-15HEF
BM-32	800	700	10-30		6-20		15		1@70, 10@140, @200	ADD 1-15HEF
BM-33	800	700	10-20		6-20		15		1@175, @350	ADD 1-15HEF
BM-34	1500	700	10-35		8-30		15		1@65, 18@130, @300	ADD 1-15HEF
BM-35	800	700	10-20		6-20		15		1@175, @350	ADD 1-15HEF
BM-36	800	700	5-20		5-20		15		1@175, @350	ADD 1-15HEF
BM-36a	800	700	6-25		5-20		15		1@145, 5@290, @350	ADD 1-15HEF
BM-37	800	700	5-20		6-30		15		1@175, @350	ADD 1-15HEF *
BM-38	1500	700	13-30		10-20		10		1@150, @300	ADD 1-15HEF
BM-39	700	700	4-25		4-20		10		1@135, @270	ADD 1-15HEF
BM-40	700	700	4-25		4-20		10		1@135, @270	ADD 1-15HEF
BM-41	800	700	6-20		6-20		15		1@150, @300	ADD 1-15HEF
BM-42	1000	700	9-35		6-20		15		1@80, 8@165, @250	ADD 1-15HEF
BM-43	1000	800	27-35 3 LAYERS		7-25		15		1@70, 18@140, @300	ADD 1-15HEF
BM-44	800	700	7-25		4-25		15		1@100, @200	ADD 1-15HEF
BM-45	1000	700	16-35 2 LAYERS		6-25		15		1@100, 10@200, @250	ADD 1-15HEF
BM-46	700	700	4-25		4-20		10		1@150, @300	ADD 1-15HEF
BM-47	1300	800	13-35		7-30		15	X3	1@85, @170	ADD 1-15HEF
BM-48	1300	800	13-35		7-30		15	X3	1@125, @250	ADD 1-15HEF
BM-49	800	800	14-35 2 LAYERS		7-20		15		1@80, 10@165, @250	ADD 1-15HEF
BM-50	800	700	12-35 2 LAYERS		7-20		15		1@85, 8@170, @195	ADD 1-15HEF
BM-51	200	1000	4-25 2 LAYERS		2-20		10		1@150, @300	ADD 15@300 HEF
BM-52	1300	500	8-25		5-20		10		1@150, @300	ADD 1-15HEF

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PROFESSIONAL ENGINEER P.F. AST 13015 PROVINCE OF ONTARIO

IMPERIAL SCALE DRAWING

FIRST FLOOR ELEV. 93.60m

no.	issued / revised	date:
1	ISSUED FOR PERMIT	2014-05-30
2	REISSUED FOR PERMIT	2014-07-10

ALEXANDRA PARK - BLOCK 11
TORONTO, ONTARIO

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

2ND FLOOR FRAMING PLAN

S-104

2014-07-11

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