

COLUMN & WALL SCHEDULE (BELOW GROUND FLOOR)

COL. No.																				COL. No.	
DATA																				DATA	
GROUND FLOOR																				GROUND FLOOR	
P1 LEVEL	4000																			P1 LEVEL	4000
P2 LEVEL	4575																			P2 LEVEL	4575
DATA																				DATA	
COL. No.																				COL. No.	
DATA																				DATA	
COL. No.																				COL. No.	

COL. No.		Kx.7-Q.7		P.3x-P.7		C 10 D 10		D.10-Q.10		A/Ax.Pd-C.Pd		A/Ax.13-C.13		C.Pd-C.13		P1 Pd P2 Pd P3 Pd P4 Pd P5 Pd P6 Pd P7 Pd P8 Pd		P8/P9-Pc X P8/P9-Pd		P8/P9.Pd-L.Pd		L.Pc-L.Pd		P10 Pd P11 Pd P12x Pd		C.15-C.16		COL. No. DATA					
DATA																												GROUND FLOOR					
GROUND FLOOR																												GROUND FLOOR					
P1 LEVEL		4575		16'-3/5" MPa		300 WALL 10x8200 HEF 10x8200 VEF ADD 2-20 ALL AROUND OPENING ADD 4-25 VEE ▲		250 WALL 10x8200 HEF 10x8300 VEF ADD 4-25 VEE ▲		1000x300 12-35 1000x300 12-35 1000x300 14-25		300 WALL 10x8200 HEF 10x8200 VEF ADD 2-20 ALL AROUND THE OPENINGS ADD 4-25 VEE ▲		200 WALL 10x8400 HEF 10x8300 VEF ADD 2-20 VEE ▲		200 WALL 10x8400 HEF 10x8300 VEF ADD 2-20 VEE ▲		200 WALL 10x8400 HEF 10x8300 VEF ADD 2-20 ALL AROUND THE OPENING ADD 2-20 VEE ▲		300x1000 12-35 300x1000 12-35 300x1000 12-35 300x1000 12-35 300x1000 12-35 300x1000 12-35		250 WALL 10x8320 HEF 10x8200 VEF ADD 4-25 VEE ▲		250 WALL 10x8320 HEF 10x8200 VEF ADD 4-25 VEE ▲		250 WALL 10x8320 HEF 10x8200 VEF ADD 4-25 VEE ▲		300 WALL ADD 2-20 VEE ▲		P1 LEVEL			
P2 LEVEL		4575		16'-3/5" MPa		300x1000 12-25 300x1000 12-35 300x1000 12-35 300x1000 12-35 1000x300 12-35 1000x300 (IN WALL) 12-25		BEAM		1000x300 12-35 1000x300 12-35 1000x300 14-25		SLAB		300 WALL 10x8200 HEF 10x8200 VEF ADD 2-20 ALL AROUND THE OPENINGS ADD 4-25 VEE ▲		200 WALL 10x8400 HEF 10x8300 VEF ADD 2-20 VEE ▲		200 WALL 10x8400 HEF 10x8300 VEF ADD 2-20 VEE ▲		200 WALL 10x8400 HEF 10x8300 VEF ADD 2-20 ALL AROUND THE OPENING ADD 2-20 VEE ▲		300x1000 12-35 300x1000 12-35 300x1000 12-35 300x1000 12-35 300x1000 12-35 300x1000 12-35		250 WALL 10x8320 HEF 10x8200 VEF ADD 4-25 VEE ▲		250 WALL 10x8320 HEF 10x8200 VEF ADD 4-25 VEE ▲		250 WALL 10x8320 HEF 10x8200 VEF ADD 4-25 VEE ▲		300 WALL ADD 2-20 VEE ▲		P2 LEVEL	
DATA		COL. No.		L 6 M 6 My/N 6 Ny/P 6 Q 6		P.3x-P.7		C 10 D 10		D.10-N.10		Ny/P 6 Q 6		A/Ax.Pd-C.Pd		A/Ax.13-C.13		C.Pd-C.13		P1 Pd P2 Pd P3 Pd P4 Pd P5 Pd P6 Pd P7 Pd P8 Pd		P8/P9-Pc X P8/P9-Pd		P8/P9.Pd-L.Pd		L.Pc-L.Pd		P10 Pd P11 Pd P12x Pd		C.15-C.16		COL. No. DATA	

COL. No.	DATA	P1 15	P2 15	P3 15	P4 15	P5 15	P6 15	P7 15	P8 15	P9 15	P10 15	P11 15	P12x 15	COL. No.	DATA
	GROUND FLOOR														GROUND FLOOR
	P1 LEVEL	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35					P1 LEVEL
	P2 LEVEL	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35	300x1000 12-35		P2 LEVEL
COL. No.	DATA	P1 15	P2 15	P3 15	P4 15	P5 15	P6 15	P7 15	P8 15	P9 15	P10 15	P11 15	P12x 15	COL. No.	DATA

COLUMN AND WALL SCHEDULE NOTES:

1. COLUMN SIZE GIVEN FIRST IN THE SCHEDULE IS IN THE NORTH-SOUTH DIRECTION.
2. COLUMN LOADS ARE GIVEN IN SPECIFIED KILONEWTONS.
3. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS SPECIFIED IN SCHEDULE.
4. MINIMUM YIELD STRESS FOR REINFORCING STEEL SHALL BE 400 MPa.
5. PROVIDE TENSION LAP SPLICE (CLASS 'B') FOR ALL VERTICAL BARS MARKED THUS "A" IN SCHEDULE.
6. PROVIDE COLUMN TIES IN WALLS THAT HAVE VERTICAL REINFORCING STEEL OF SIZE 20 OR GREATER.
7. FOR ALL WALLS GREATER THAN 2000MM IN LENGTH PROVIDE SHEAR WALL REINFORCING AS PER TABLE 2, FOR ALL OTHER WALLS PROVIDE TEMPERATURE REINFORCING AS PER TABLE 1
8. H.E.F. - DENOTES HORIZONTAL EACH FACE
H.T.B.E.F. - DENOTES HORIZONTAL TOP&BOTTOM EACH FACE
H.T.E.F. - DENOTES HORIZONTAL TOP EACH FACE
V.E.AST E. - DENOTES VERTICAL EAST END
V.E.F. - DENOTES VERTICAL EACH FACE
V.E.E. - DENOTES VERTICAL EACH END
V.N.E. - DENOTES VERTICAL NORTH END
V.S.E. - DENOTES VERTICAL SOUTH END
V.W.E. - DENOTES VERTICAL WEST END
9. REFER TO MECHANICAL DWGS. FOR MECHANICAL WALL OPENINGS.
10. REFER TO ARCHITECTURAL DRAWINGS FOR WALL LENGTHS.
11. REFER TO TYPICAL DETAILS ON DRAWINGS S-001 TO S-004.
12. REFER TO GENERAL NOTES ON DRAWING S-001.
13. UNLESS NOTED OTHERWISE, PROVIDE COLUMN OR WALL DOWELS TO MATCH VERTICAL REINFORCING GIVEN IN SCHEDULE.
14. CONCRETE EXPOSED TO VEHICULAR TRAFFIC SHALL HAVE 6% TO 8% ENTRAINED AIR AND SHALL BE PROPORTIONED FOR C-1 EXPOSURE CONDITIONS.

COLUMN, WALL & FOOTING DOWEL SCHEDULE								
LAP SPlice IN WALL OR COLUMN AND DEVELOPMENT LENGTH IN CAP OR FOOTING								
DATA		BAR SIZE	10	15	20	25	30	35
$F_y = 400 < F_u = 250$	TENSION	LAP SPlice DEVELOPMENT LENGTH	490	740	980	1530	1830	2130
			380	570	750	1170	1410	1640
	COMPRESSION	LAP SPlice DEVELOPMENT LENGTH	300	440	590	730	880	1030
			220	310	370	480	570	690
$F_y = 400 < F_u = 300$	TENSION	LAP SPlice DEVELOPMENT LENGTH	450	670	890	1390	1670	1950
			350	520	690	1070	1290	1500
	COMPRESSION	LAP SPlice DEVELOPMENT LENGTH	300	440	590	730	880	1030
			200	280	340	440	530	630
$F_y = 400 < F_u = 350$	TENSION	LAP SPlice DEVELOPMENT LENGTH	420	620	830	1290	1550	1800
			320	480	640	990	1190	1390
	COMPRESSION	LAP SPlice DEVELOPMENT LENGTH	300	440	590	730	880	1030
			200	280	340	440	530	630
$F_y = 400 < F_u = 400$	TENSION	LAP SPlice DEVELOPMENT LENGTH	390	580	770	1210	1450	1690
			300	450	600	930	1110	1300
	COMPRESSION	LAP SPlice DEVELOPMENT LENGTH	300	440	590	730	880	1030
			200	280	340	440	530	630

TEMPERATURE WALL REINFORCING				
WALL THICKNESS	DIRECTION	WALL EXPOSED OR ENCLOSED BOTH SIDES	WALL EXPOSED ONE SIDE	
			EXPOSED SIDE	ENCLOSED SIDE
150mm	HORIZ.	10 @ 330 (1 LAYER)	10 @ 330 (1 LAYER)	
	VERT.	10 @ 450 (1 LAYER)	10 @ 450 (1 LAYER)	
200mm	HORIZ.	10 @ 450 EA. FACE	10 @ 420	10 @ 450
	VERT.	10 @ 450 EA. FACE	10 @ 450	10 @ 450
250mm	HORIZ.	10 @ 400 EA. FACE	10 @ 330	10 @ 450
	VERT.	10 @ 450 EA. FACE	10 @ 450	10 @ 450
300mm	HORIZ.	10 @ 330 EA. FACE	10 @ 250	10 @ 450
	VERT.	10 @ 440 EA. FACE	10 @ 400	10 @ 450
350mm	HORIZ.	10 @ 280 EA. FACE	10 @ 210	10 @ 430
	VERT.	10 @ 380 EA. FACE	10 @ 300	10 @ 450
400mm	HORIZ.	10 @ 250 EA. FACE	15 @ 380	10 @ 370
	VERT.	10 @ 330 EA. FACE	10 @ 250	10 @ 450

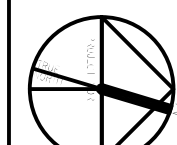
NOTE: SIZE AND SPACING OF DOWELS TO BE SAME AS VERTICAL REINF. IN WALL

TABLE 2		SHEAR WALL REINFORCING		
WALL THICKNESS	DIRECTION	WALL EXPOSED OR ENCLOSED BOTH SIDES	WALL	ONE SIDE
			EXPOSED SIDE	ENCLOSED SIDE
150mm	HORIZ.	10 @ 270 (1 LAYER)	10 @ 270 (1 LAYER)	
	VERT.	10 @ 270 (1 LAYER)	10 @ 270 (1 LAYER)	
200mm	HORIZ.	10 @ 400 EA. FACE	10 @ 300	10 @ 450
	VERT.	10 @ 400 EA. FACE	10 @ 300	10 @ 450
250mm	HORIZ.	10 @ 320 EA. FACE	10 @ 240	10 @ 450
	VERT.	10 @ 320 EA. FACE	10 @ 240	10 @ 450
300mm	HORIZ.	10 @ 270 EA. FACE	10 @ 200	10 @ 400
	VERT.	10 @ 270 EA. FACE	10 @ 200	10 @ 400
350mm	HORIZ.	15 @ 450 EA. FACE	15 @ 340	15 @ 450
	VERT.	15 @ 450 EA. FACE	15 @ 340	15 @ 450
400mm	HORIZ.	15 @ 400 EA. FACE	15 @ 300	15 @ 450
	VERT.	15 @ 400 EA. FACE	15 @ 300	15 @ 450
450mm	HORIZ.	15 @ 350 EA. FACE	15 @ 260	15 @ 450
	VERT.	15 @ 350 EA. FACE	15 @ 260	15 @ 450
NOTE: SIZE AND SPACING OF DOWELS TO BE SAME AS VERTICAL REINF. IN WALL				

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IMPERIAL SCALE DRAWING		
FIRST FLOOR ELEV. 93.60m		
no.	issued / revised	date:
1	ISSUED FOR PERMIT	2004-09-30
2	REISSUED FOR PERMIT	2004-07-30
3	ISSUED FOR FORMING TENDER	2004-08-27



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

COLUMN AND WALL
SCHEDULE
(BELOW GRD. FLOOR)