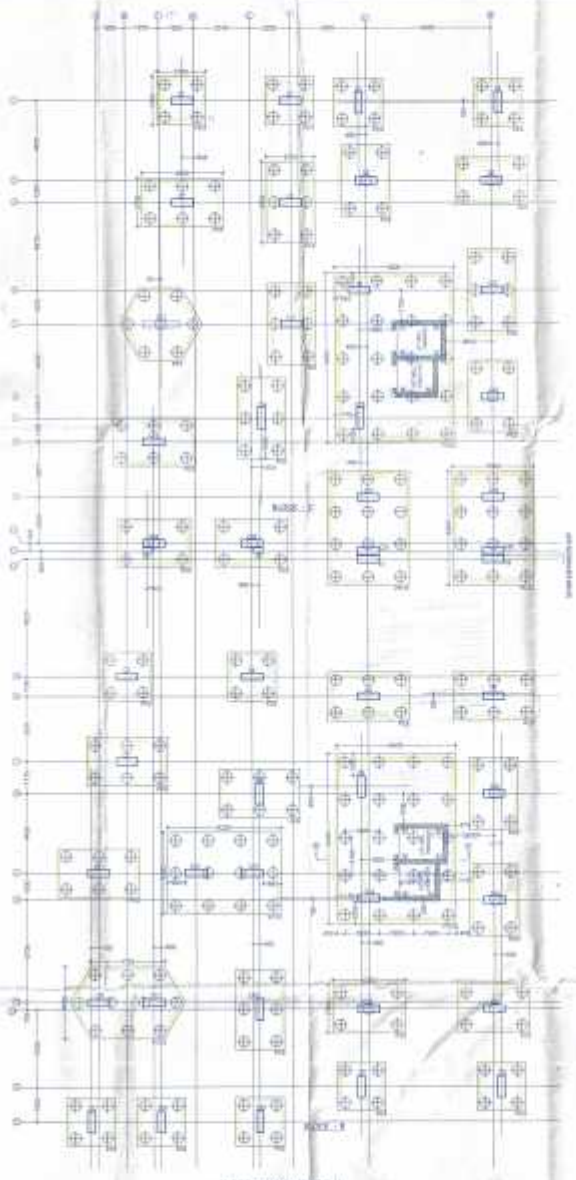
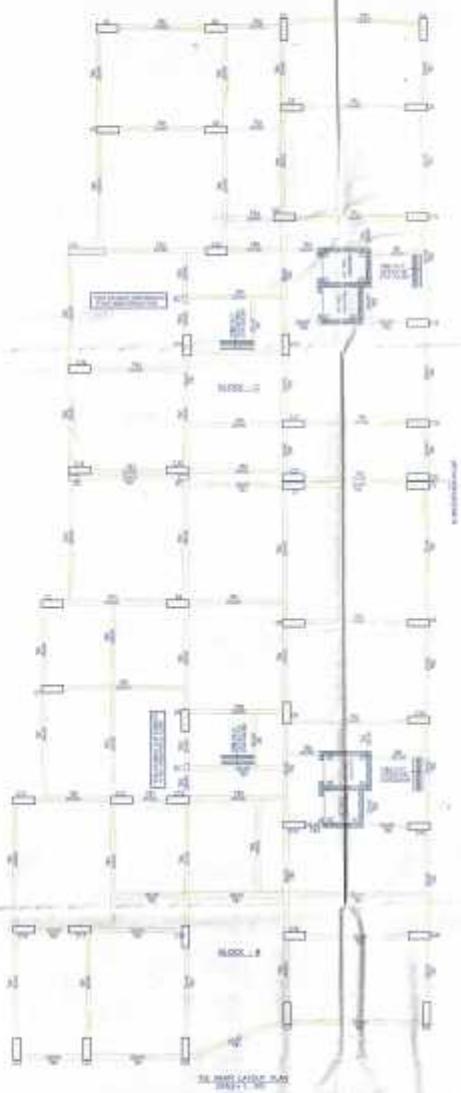
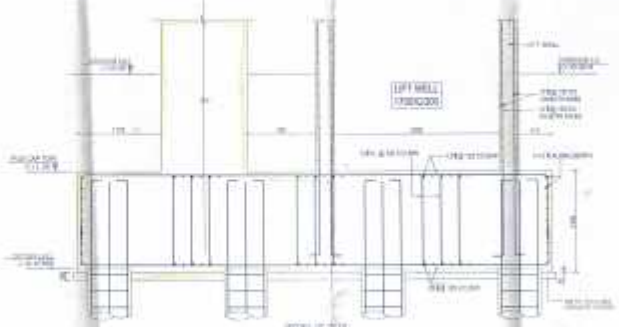


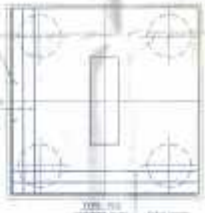
PILE FOUNDATION LAYOUT PLAN



TIE BEAM LAYOUT PLAN



TYPE PC1

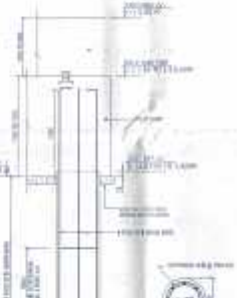


TYPE PC2

TYPICAL DETAIL OF PCs

DETAIL OF PILE

PILE CAP	PILE CAP DEPTH (mm)	PILE CAP LEVEL	DEPTH OF PILE CAP
PC1	1150	1200	1,200
PC2	1150	1200	1,200
PC3	1150	1200	1,200
PC4	1150	1200	1,200
PC5	1150	1200	1,200
PC6	1150	1200	1,200
PC7	1150	1200	1,200



LONG SEC. OF PILE

SCHEDULE OF PILE CAP

PILE CAP MARK	PILE CAP SIZE (mm) LENGTH	WIDTH	NO. OF PILE	REINFORCEMENT AT BOTTOM LONGER DIREC.	REINFORCEMENT AT BOTTOM SHORTER DIREC.	REINFORCEMENT AT TOP LONGER DIREC.	REINFORCEMENT AT TOP SHORTER DIREC.	MIN REINFORCE ALONG DEPTH	LINK FOR PILE CAP
PC1	2700 x 2700	1200	4	20 ø @ 150 C/C	20 ø @ 150 C/C	12 ø @ 150 C/C	12 ø @ 150 C/C	4-12 ø	10 ø 1-L @ 300 C/C EW
PC2	2700 x 4500	1200	7	20 ø @ 150 C/C	20 ø @ 150 C/C	12 ø @ 150 C/C	12 ø @ 150 C/C	6-12 ø	10 ø 1-L @ 300 C/C EW
PC3	2700 x 4500	1200	9	20 ø @ 125 C/C	20 ø @ 125 C/C	12 ø @ 150 C/C	12 ø @ 150 C/C	6-12 ø	10 ø 1-L @ 300 C/C EW
PC4	AS SHOWN	1200	7	20 ø @ 150 C/C	20 ø @ 150 C/C	12 ø @ 150 C/C	12 ø @ 150 C/C	6-12 ø	10 ø 1-L @ 300 C/C EW
PC5A	AS SHOWN	1200	10	20 ø @ 150 C/C	20 ø @ 125 C/C	12 ø @ 150 C/C	12 ø @ 150 C/C	6-12 ø	10 ø 1-L @ 300 C/C & 12ø 2-L @ 150 C/C IN SHORT DIRECTION
PC5B	4500 x 5000	1400	15	20 ø @ 150 C/C	20 ø @ 125 C/C	12 ø @ 150 C/C	12 ø @ 150 C/C	8-12 ø	10 ø 1-L @ 300 C/C & 12ø 2-L @ 150 C/C IN SHORT DIRECTION
PC6	5850 x 5850	1400	19	20 ø @ 150 C/C	20 ø @ 125 C/C	12 ø @ 150 C/C	12 ø @ 150 C/C	8-12 ø	10 ø 1-L @ 300 C/C EW

COLUMN SCHEDULE

12TH FLOOR TO ROOF SLAB LEVEL	—	4.500 + 0.150	4.650 + 19.200	4.650 + 19.200	4.650 + 19.200
6 TH FLOOR TO 11 TH FLOOR SLAB	—	4.500 + 0.150	9.000 + 19.200	9.000 + 19.200	9.000 + 19.200
FOR 1ST & 7TH FLOOR SLAB	10.0m	4.650 + 0.150	9.000 + 19.200	9.000 + 19.200	9.000 + 19.200
LINK AS SHOWN FOR @ 125 C/C AT SUPPORT AND 175 MM C/C AT MID SPAN					
SIZE		300 X 600	400 X 1000	400 X 1000	400 X 1000
COLUMN MARK		SEC. SC7	BLOCK B C1 TO C3 & C5 TO C13, C16,17,21 & 27 TO C24 BLOCK C C1 TO C6,21,22 & C24 TO C27 TYP. FOR	BLOCK B C4 & C14,17,18 & 23 TO C15, C19 TO C20 & C25 BLOCK C C7 TO C20 & C23 TYP. FOR	BLOCK B C16, BLOCK C C28 TYP. FOR

SCHEDULE OF LIFT WALL

LIFT WALL THICKNESS = 200 mm
PROVIDE 12 ø @ 150 C/C AS VERTICAL & HORIZONTAL BAR AT 2 LAYER IN EACH FACE

TIE BEAM SCHEDULE AT (+) 0.150M

BEAM MARK	WIDTH	DEPTH	SUPPORT TOP	SUPPORT BOTTOM	SPAN TOP	SPAN BOTTOM	STIRRUPS SUPPORT	STIRRUPS SPAN
TB1	230	450	3-12ø + 2-10ø	4-12ø	3-12ø + 2-10ø	4-12ø	10 ø @ 150 C/C	10 ø @ 200 C/C
TB2	230	600	3-12ø + 2-10ø	4-12ø	3-12ø + 2-10ø	4-12ø	10 ø @ 125 C/C	10 ø @ 200 C/C
TB3	230	600	3-12ø + 2-10ø	4-12ø	3-12ø + 2-10ø	4-12ø	10 ø @ 125 C/C	10 ø @ 150 C/C
TB4	230	450	3-12ø	3-12ø	3-12ø	3-12ø	10 ø @ 150 C/C	10 ø @ 150 C/C

REVISED G+7 (BLOCK-A) ... STOREY RESIDENTIAL BUILDING ... SANCTION DRAWING ... STRUCTURAL DETAIL PLAN