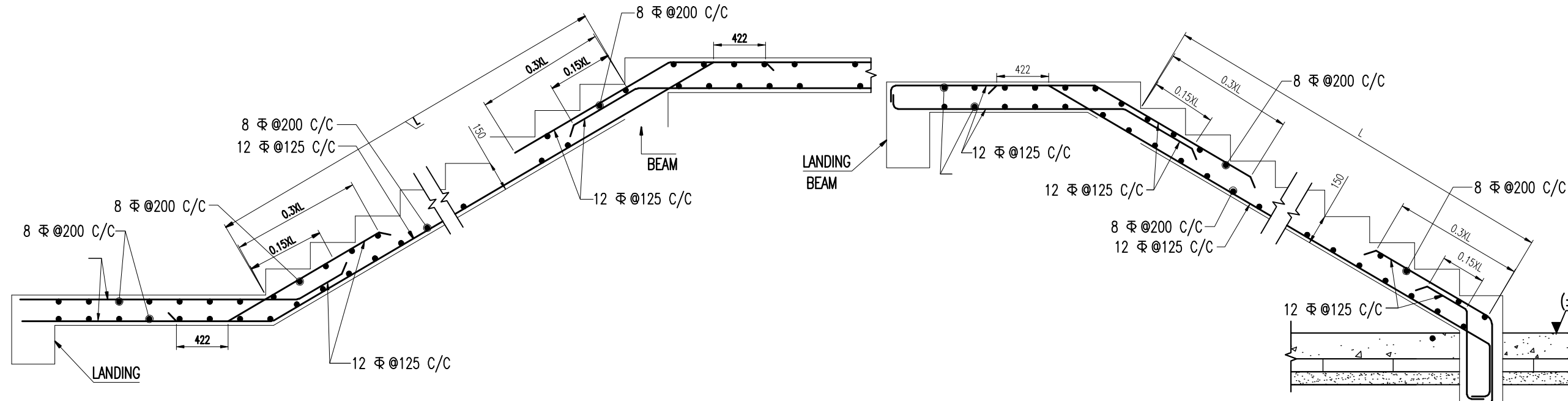


REINFORCEMENT DETAILING OF R.C.C. SLAB (TYP.)

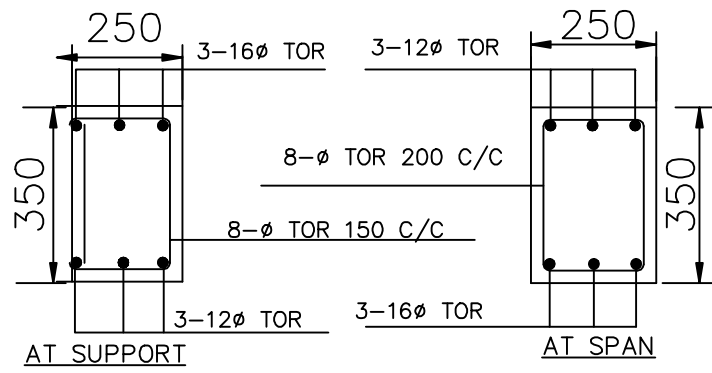


TYP. RCC DETAIL OF FLIGHT AT TYP. FLOORS

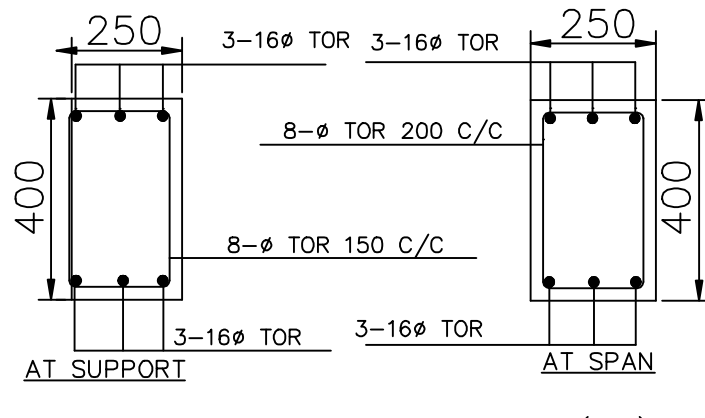
TYP. RCC DETAIL OF FLIGHT AT GR. FLOORS

SHOWING REINF.

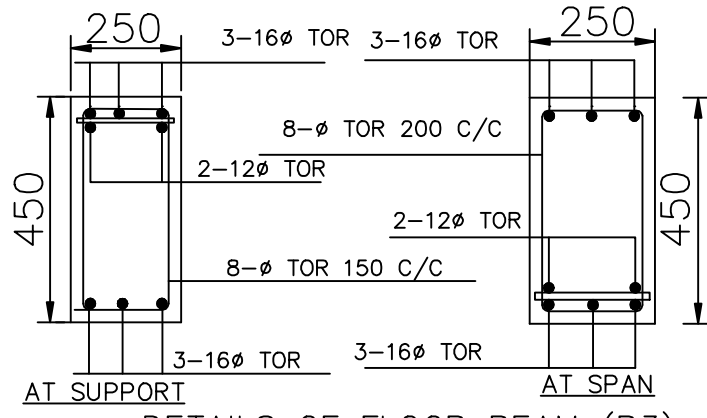
SHOWING REINF.



DETAILS OF FLOOR BEAM (B1)
SCALE=1:10

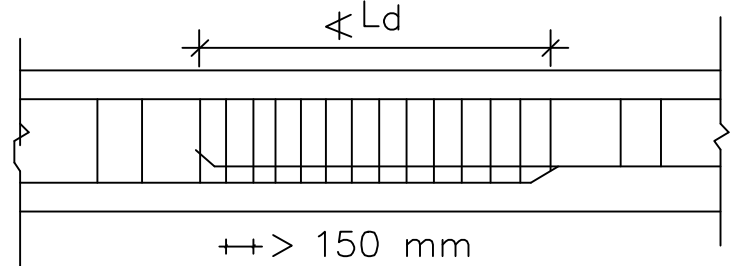


DETAILS OF FLOOR BEAM (B2)
SCALE=1:10



DETAILS OF FLOOR BEAM (B3)
SCALE=1:10

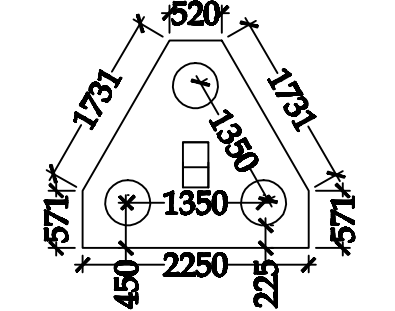
Ld — DEVELOPMENT LENGTH IN TENSION



LAP, SPLICE IN BEAM

SCHEDULE OF R.C.C. COLUMN

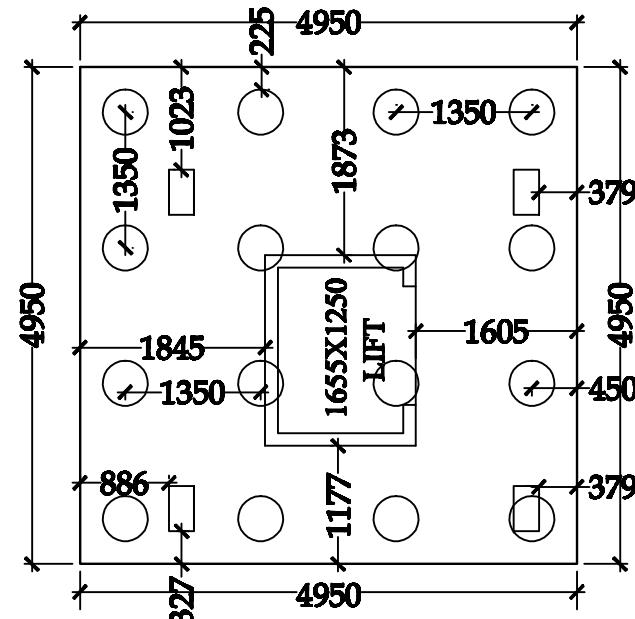
GR. MKD.	COLUMN MARKED	FLOOR MARKED	COL. DETAILS
GR-I	C1-C41 (280/400)	GR. TO 4TH FLOOR	10-16# 8# TOR @ 150 C/C



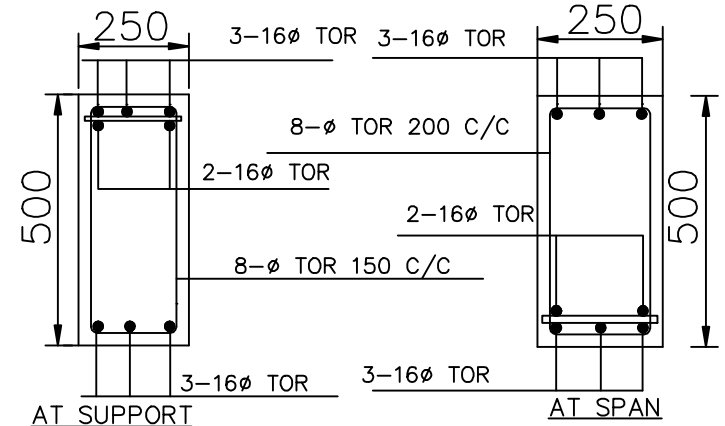
DETAILS OF PILE CAP (PC1)
SCALE=1:50

SCHEDULE OF R.C. PILE FOUNDATION

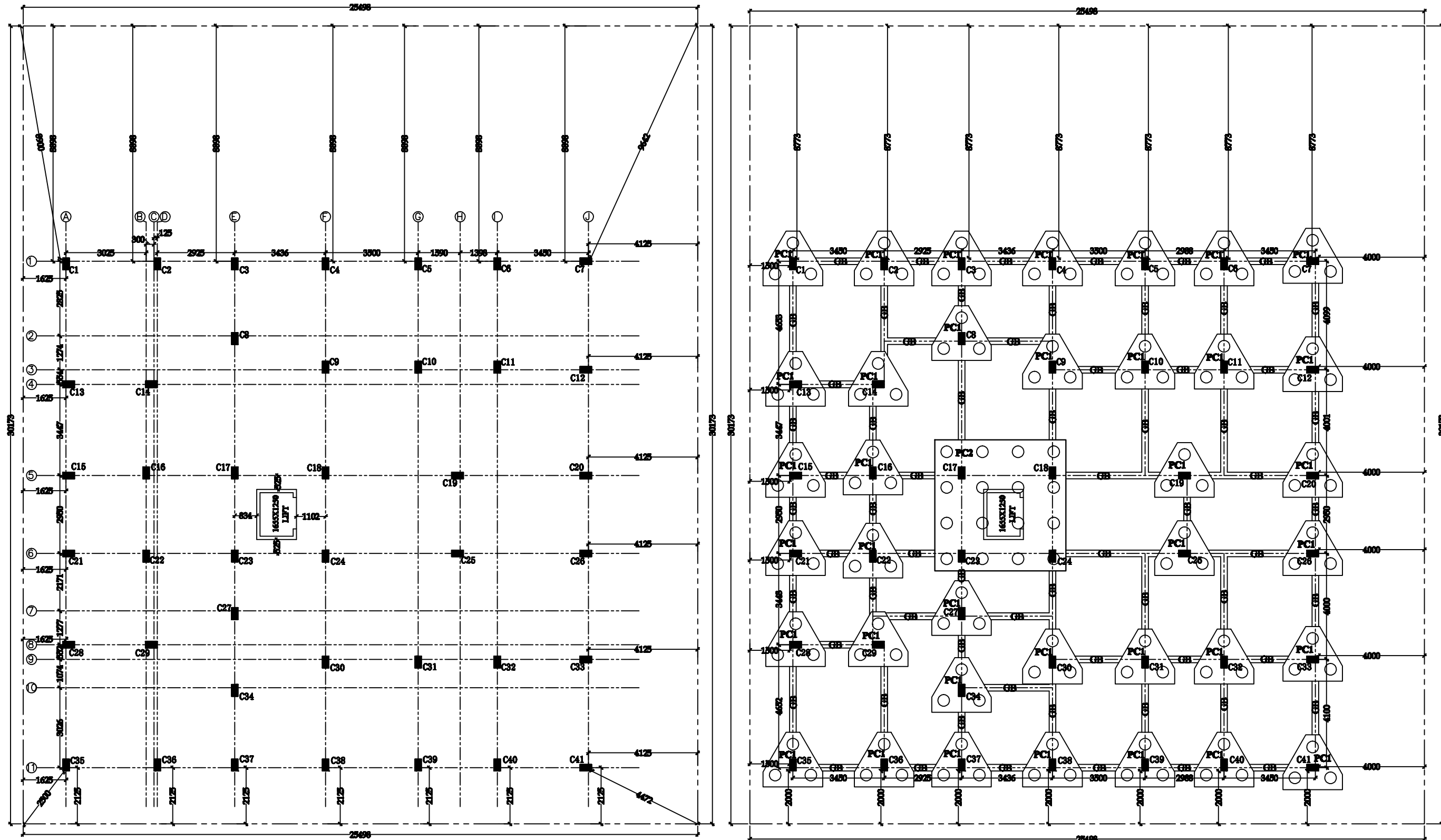
FOUNDATION MARKED	UNDER COL. MARKED	NO. & DIA. OF PILE	LENGTH OF PILE (m)	REINFORCEMENT OF PILE	DIMENSION OF PILE CAP (L X W X D) mm	REINFORCEMENT OF PILE CAP
PC1	C1-C16, C19-C22, C25-C41.	3 NOS-450 #	20.50-1.50 =19.0	VERTICAL 8 NOS.-12 # TOR LATERAL TIE 8 # TOR @ 75 C/C FOR 1500mm FROM TOP & BOTTOM REST PORTION 8 # TOR @ 150 C/C	AS PER DRAWING	TOP: 16 # TOR @ 150C/C BOTHWAYS BOTTOM: 16 # TOR @ 150C/C BOTHWAYS FACE BAR: 1-16# TOR BAR THROUGHOUT THE PERIMETER OF THE PILE CAP TOP & SIDE COVER 50MM BOTTOM COVER 75MM
PC2	(LIFT & C17,C18, C23,C24).	16 NOS-450 #	20.50-1.50 =19.0	VERTICAL 8 NOS.-12 # TOR LATERAL TIE 8 # TOR @ 75 C/C FOR 1500mm FROM TOP & BOTTOM REST PORTION 8 # TOR @ 150 C/C	4950 X 4950 X 1000	TOP: 16 # TOR @ 150C/C BOTHWAYS BOTTOM: 16 # TOR @ 150C/C BOTHWAYS FACE BAR: 1-16# TOR BAR THROUGHOUT THE PERIMETER OF THE PILE CAP TOP & SIDE COVER 50MM BOTTOM COVER 75MM



DETAILS OF PILE CAP (PC2)
SCALE=1:50

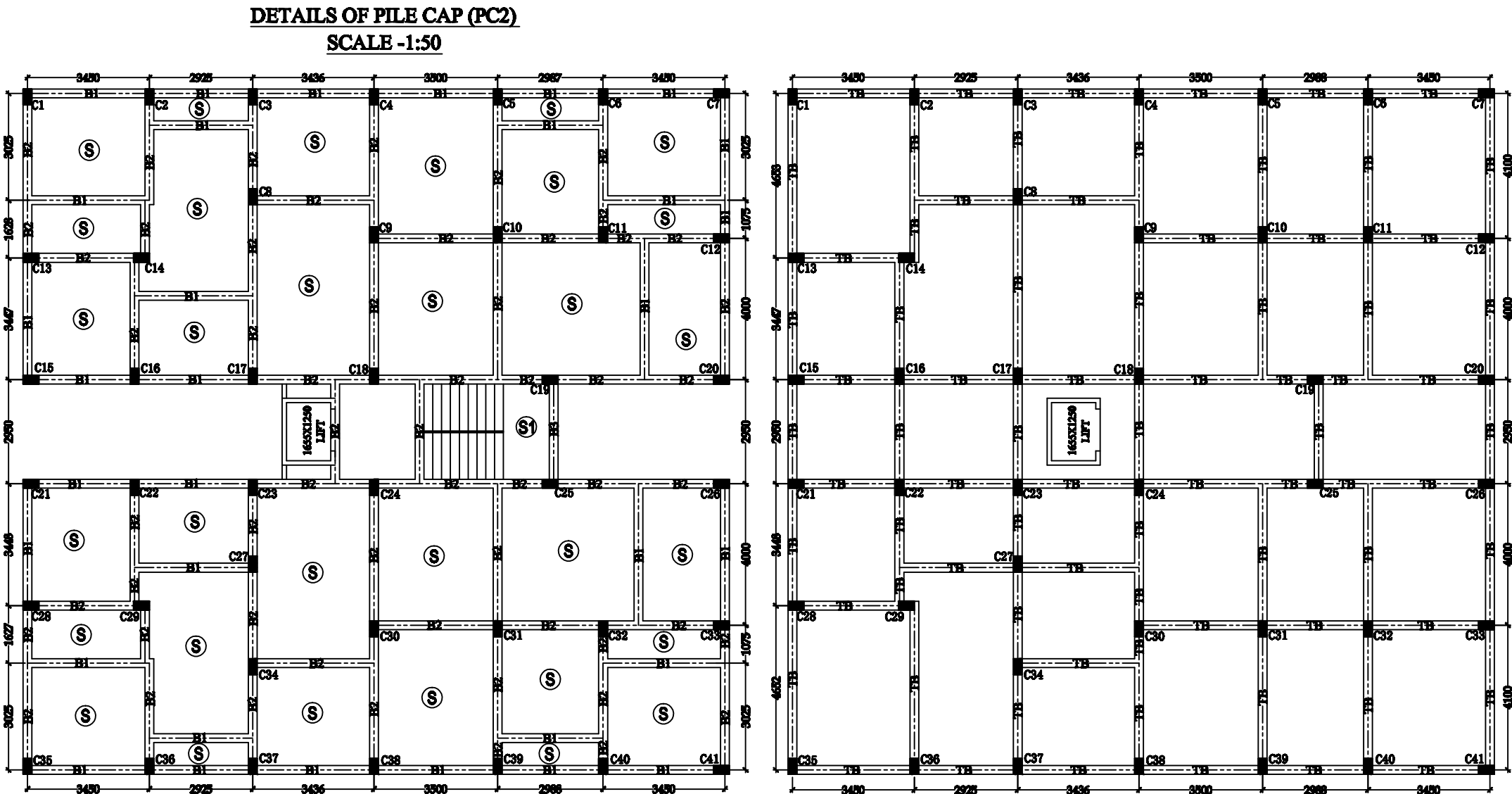


DETAILS OF TIE BEAM (TB)
SCALE=1:10



COLUMN LAYOUT PLAN
SCALE :- 1:100

FOUNDATION LAYOUT PLAN
SCALE :- 1:100



FLOOR BEAM LAYOUT PLAN
SCALE :- 1:100

TIE BEAM LAYOUT PLAN
SCALE :- 1:100

SCHEDULE OF FLOOR SLAB

SLAB MKD.	SIZE	REINFORCEMENTS			
		AT SHORT SPAN		AT LONG SPAN	
		SUPPORT	SPAN	SUPPORT	SPAN
S	125	8#TOR @150C/C	8#TOR @150C/C	8#TOR @200C/C	8#TOR @200C/C
S1	150	REINFORCEMENT DETAILS AS PER STAIR SECTION TO BE FOLLOWED.			

SCHEDULE OF GRADE BEAM

BEAM MKD.	SIZE	REINFORCEMENTS			
		REIN. AT COLUMN ZONE		REIN. AT MID-ZONE	
		TOP	BOTTOM	TOP	BOTTOM
GB	500X750	8-16 # TOR	5-16 # TOR	5-16 # TOR	8-16 # TOR
		STIRRUPS			
		4L-10#TOR @200C/C			

SCHEDULE OF R. C. BEAM

BEAM MKD.	BEAM SIZE	REINFORCEMENT AT SUPPORT		REINFORCEMENT AT SPAN		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
		TOP	BOTTOM	TOP	BOTTOM	
B1	250 X 350	3-16 # TOR	3-12 # TOR	3-12 # TOR	3-16 # TOR	SUPP.- 8# TOR @ 150C/C SPAN.- 8# TOR @ 200C/C
B2	250 X 400	3-16 # TOR	3-16 # TOR	3-16 # TOR	3-16 # TOR	SUPP.- 8# TOR @ 150C/C SPAN.- 8# TOR @ 200C/C
B3	250 X 450	3-16 # TOR 2-12 # TOR	3-16 # TOR	3-16 # TOR	3-16 # TOR 2-12 # TOR	SUPP.- 8# TOR @ 150C/C SPAN.- 8# TOR @ 200C/C

SCHEDULE OF TIE BEAM

BEAM MKD.	SIZE	REINFORCEMENTS			
		REIN. AT SUPPORT		REIN. AT SPAN	
		TOP	BOTTOM	TOP	BOTTOM
TB	250X500	3-16 # TOR 2-16 # TOR	3-16 # TOR	3-16 # TOR	3-16 # TOR 2-16 # TOR
		STIRRUPS			
		SUPP.- 8 # TOR @ 150C/C SPAN.- 8 # TOR @ 200C/C			

TITLE:-

SIG. OF OWNER

DECLARATION OF ARCHITECT/L.B.S

SIG. OF ARCHITECT/ENGINEER

DECLARATION OF ENGINEER

SIG. OF STRUCTURAL ENGINEER

NOTES:-

A. GENERAL:

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRE.
2. DRAWINGS SHALL NOT BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. ALL FOUNDATIONS SHALL BE REST ON VIRGIN SOIL OR ON THOROUGHLY COMPACTED SOIL AS PER SPECIFICATION. WHENEVER THE SOIL CONTAIN THE LOOSE SOIL POCKETS, THE SAME SHALL BE REMOVED AND REFILLED WITH THE P.C.C.

B. CONCRETE WORK:

CONCRETE/CONCRETING:

1. ALL CONCRETE WORK SHALL BE AS PER IS:456 (LATEST REVISION)
2. ALL STRUCTURAL REINFORCED CONCRETE WORK SHALL BE WITH DESIGN MIX CONCRETE OF GRADE AS FOLLOWS UNLESS NOTED OTHERWISE:
a). THE GRADE CONC. FOR SUB & SUPER STRUCTURES ARE M-25
3. PLAIN CONCRETE WORK SHALL BE OF THE FOLLOWING GRADES OF NOMINAL MIX CONCRETE:
a). 1:5:10 PLUM CONCRETE FOR FILLING CONCRETE UNDER FOUNDATION (WITH MAXIMUM AGGREGATE SIZE OF 40 MM.) AND AS . PIT, TRENCHES ETC.
b). M-15 FOR LEAN CONCRETE BELOW FOUNDATIONS & PLINTH PROTECTION
4. THE MINIMUM CLEAR COVER FOR PROTECTION OF MAIN REINFORCEMENT SHALL BE AS FOLLOWS

STRUCTURAL ELEMENT	COVER		
	TOP	BOTTOM	SIDES
a). TIE BEAM	25	25	25
b). COLUMN	40	-	40
c). FLOOR BEAM	25	25	25
d). SLAB	20	20	20
e). FOUNDATION	50	50	50

C. REINFORCEMENTS:

1. ALL REINFORCING STEEL SHALL BE OF TESTED QUALITY.
2. (a). HIGH YIELD STRENGTH DEFORMED BAR REINFORCEMENT (YIELD STRESS $F_{yk} = 500 \text{ N/MM}^2$) SHALL CONFORM TO IS:1786. (LATEST REVISION)
3. LAPS AND SPICES OF REINFORCEMENT TO SUIT AVAILABLE LENGTH OF BARS SHALL BE MADE AS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER AT SITE.
4. ALL HOOKS, BENDS, LAPS AND SPICES SHALL BE AS PER IS:2502.
5. THE LAP/ANCHORAGE LENGTH OF BARS OF DIAMETER 'D' SHALL BE AS FOLLOWS:-

CONCRETE GRADE	DEFORMED BARS	
	TENSION	COMPRESSION
M-25	41XD	33XD

6. LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% BARS SHALL BE LAPPED AT ANY SECTION.
7. LAPPING OF BARS FOR BEAM AND SLAB SHALL BE AVOIDED IN THE MAXIMUM CLEARANCE OF THE BEAM.
8. DEVELOPMENT LENGTH (L_d) = 50XDIA OF THE BAR.

DRAWING SHEET CONTAINS

1. COLUMN LAYOUT PLAN.
2. FOUNDATION LAYOUT PLAN.
3. FLOOR BEAM & SLAB LAYOUT PLAN.
4. TIE BEAM LAYOUT.
5. DETAILS OF COLUMN.
6. DETAILS OF FLOOR BEAM.
7. DETAILS OF FLOOR SLAB.
8. DETAILS OF TIE BEAM.

CHECKED BY:-

SAYAN DAS

DRAWN BY:-

MOHAR MAITY

APPROVED BY:-

SUDDHASIL BHAIKUM.

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