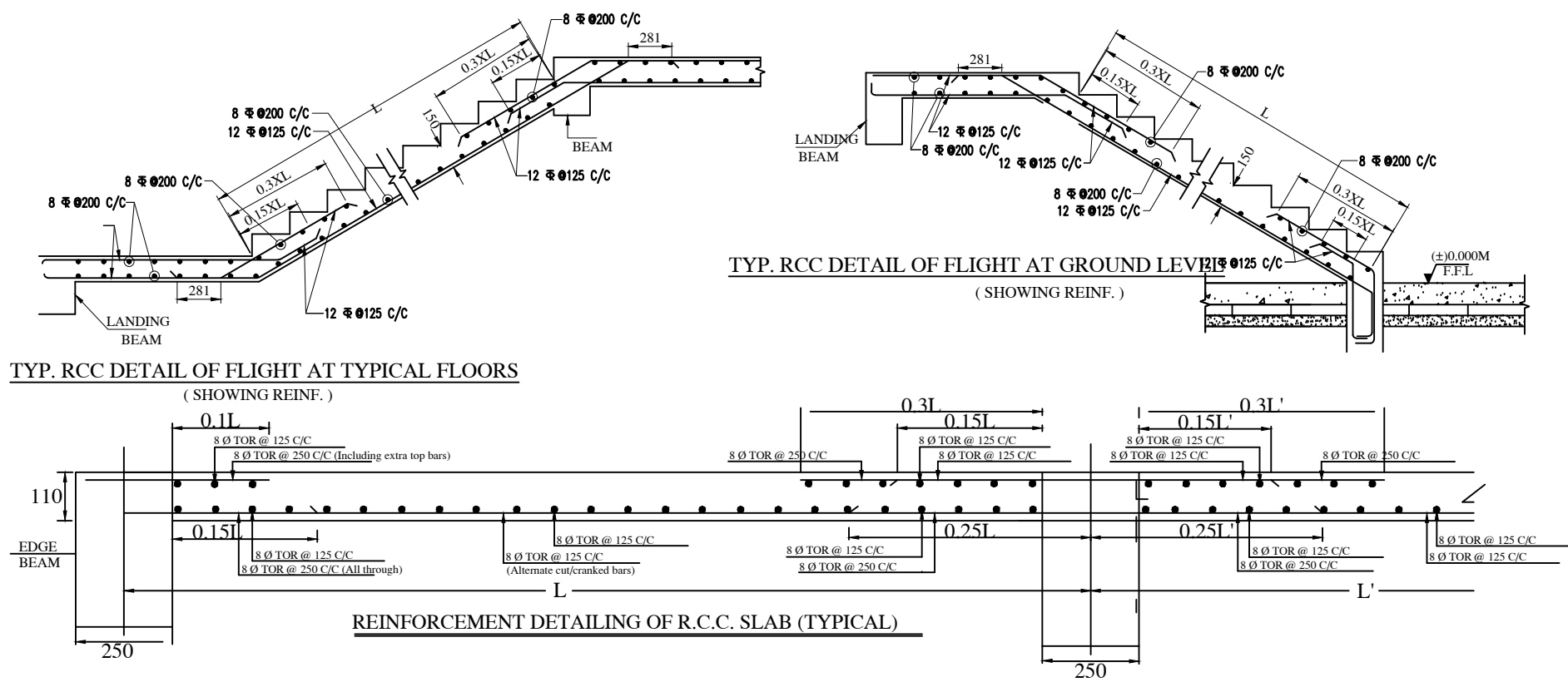


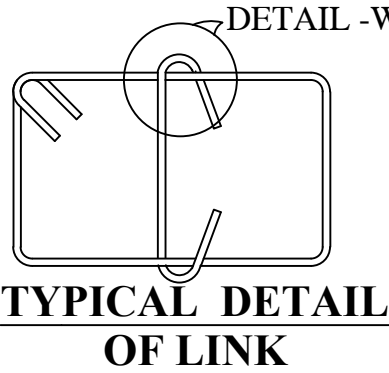


SCHEDULE OF PILE CAP

PILE CAP M.K.D.	COLUMN MKD.	PILE NOS & DIA	CUT OF LEVEL	REINFORCEMENT		PILE CAP SIZE	PILE CAP REINFORCEMENT		LENTH OF PILE
				VERTICAL	LATERAL		TOP	BOTTOM	
CP1	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16.	2 NOS & 450 dia	1.5 M.	8 - 12	8 dia bar @ 150 c/c	2100 x 900 x 900	16 dia @ 150 C/C BOTHWAYS	16 dia @ 150 C/C BOTHWAYS	18.00 M.
CP2	C5, C7, C9, C11.	3 NOS & 450 dia	1.5 M.	8 - 12	8 dia bar @ 150 c/c	AS SHOWN IN FIGURE	16 dia @ 150 C/C BOTHWAYS	16 dia @ 150 C/C BOTHWAYS	18.00 M.
CP3	LIFT	4 NOS & 450 dia	1.5 M.	8 - 12	8 dia bar @ 150 c/c	AS SHOWN IN FIGURE	16 dia @ 150 C/C BOTHWAYS	16 dia @ 150 C/C BOTHWAYS	18.00 M.

SCHEDULE OF R.C.C. COLUMN

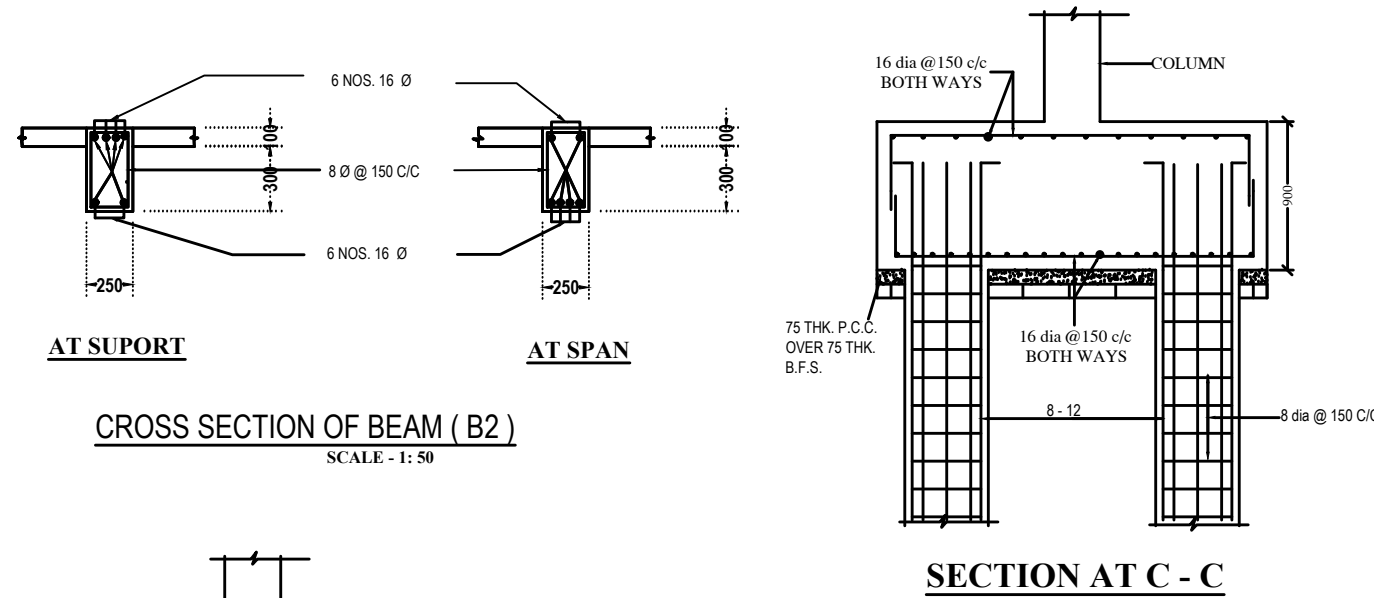
COLUMN M.K.D.	SIZE (B X D)	LONGITUDINAL REINFORCEMENT	STIRRUPS
C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37.	250 x 450	10-16 dia	2L 8 dia @ 150 c/c



Ld — DEVELOPMENT LENGTH IN TENSION

LAP, SPLICE IN BEAM

++ > 150 mm

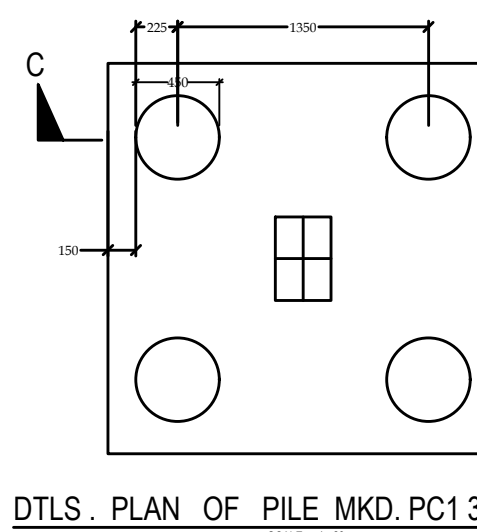
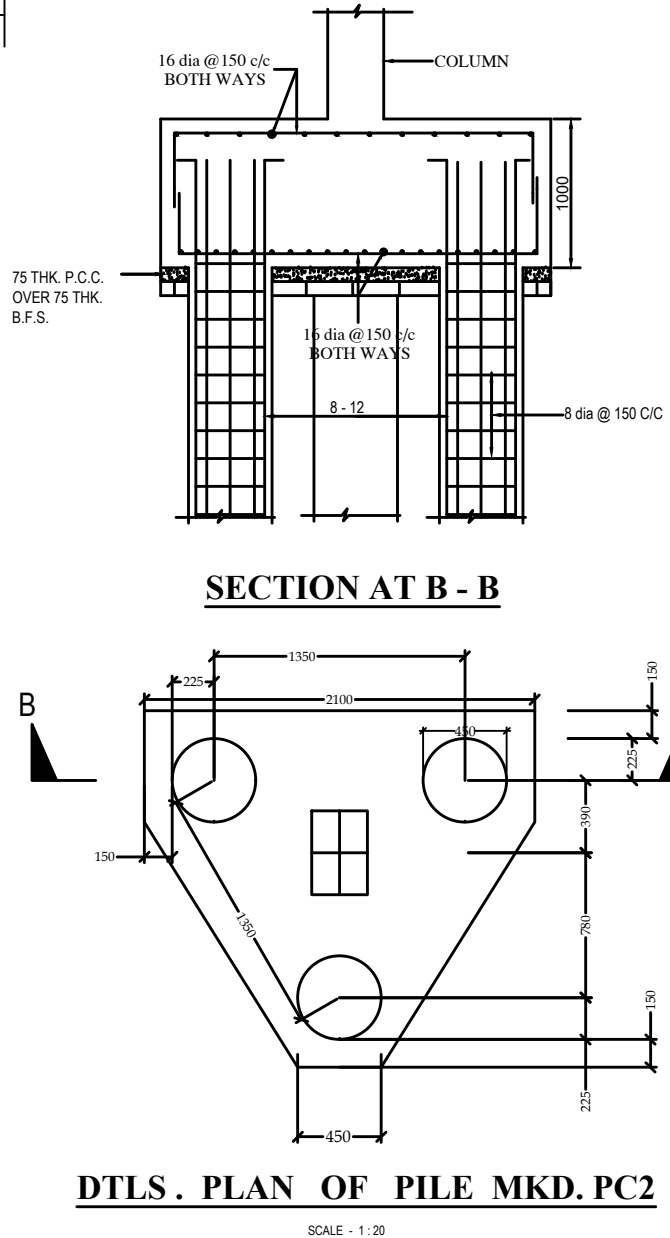
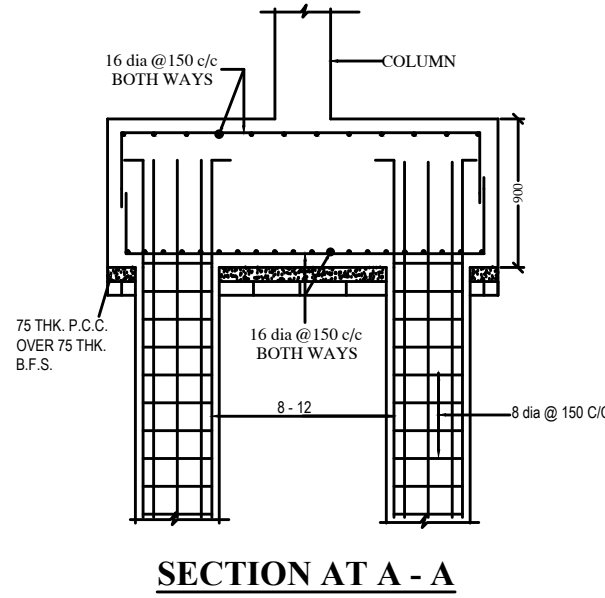
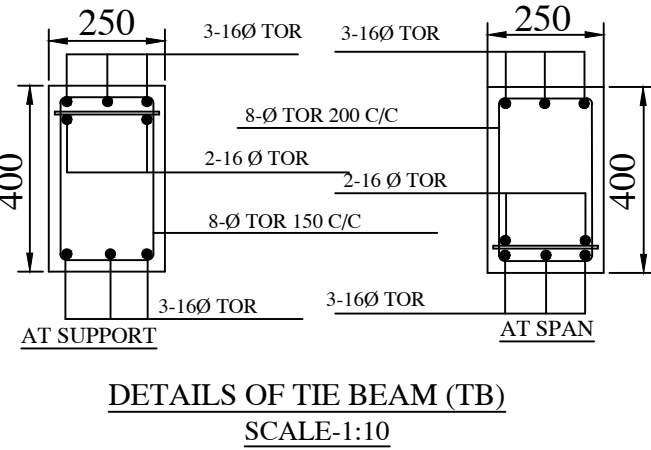
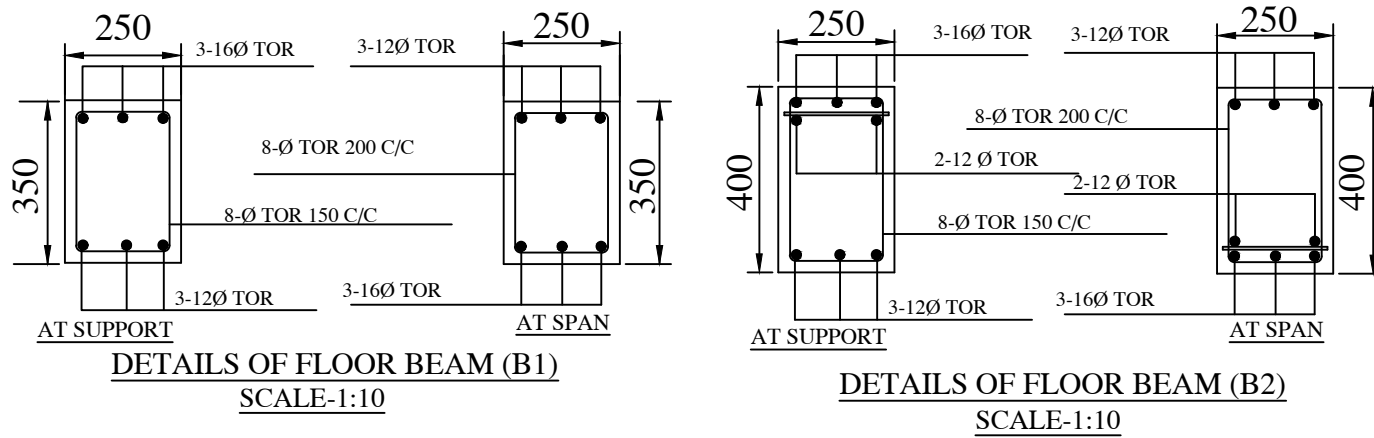


SCHEDULE OF TIE BEAM & BEAM

M K D	SIZE (B X D)	LONGITUDINAL REINFORCEMENT				STIRRUPS
		AT SUPPORT		AT SPAN		
		TOP	BOTTOM	TOP	BOTTOM	
B1	250 X 450	3-16 Ø TOR	3-16 Ø TOR	3-16 Ø TOR	3-16 Ø TOR	8Ø TOR @ 150C/
TB	250 X 400	3-16 Ø TOR	3-16 Ø TOR	3-16 Ø TOR	3-16 Ø TOR	8Ø TOR @ 150C/
B2	250 X 450	3-16 Ø TOR	3-16 Ø TOR	3-16 Ø TOR	3-16 Ø TOR	8Ø TOR @ 150C/

SCHEDULE OF SLAB

SLAB M.K.D.	SLAB THICKNESS	REINFORCEMENT AT LONGER DIRECTION	REINFORCEMENT AT SHORTER DIRECTION
S1	100	8 dia @ 150 c/c	8 dia @ 150 c/c



STRUCTURAL PLAN FOR PROPOSED G+IV STORIED RESIDENTIAL BUILDING AT MOUZA- KAIKHALI, J. L. NO.-05, L.R DAG NO -591, 592, L.R Khatian NOS -2607, 2633, 2606, 2634, 2605, 2632, 2604, 2636, WARD NO.-06, DIST-24 PARGANAS(N), P.S -RAJARHAT "WITHIN BIDHANNAGAR MUNICIPAL CORPORATION"

NAME OF OWNERS :- 1) SAKINA BIBI 2) AZAD MALLICK 3) AZAN MALLICK 4) RAZZAK MALLICK

DECLARATION OF ARCHITECT/ L.B.S

DECLARATION OF ENGINEER

DECLARATION OF ENGINEER

NOTES :-

A. GENERAL:

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN MM.
- DRAWINGS SHALL NOT BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- 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:

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

STRUCTURAL ELEMENT	COVER	
	TOP	BOTTOM
a). THE BEAM	25	25
b). COLUMNS	40	40
c). FLOOR BEAM	25	25
d). SLAB	20	20
e). FOUNDATION	50	50

C. REINFORCEMENTS:

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

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

- LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% BARS SHALL BE LAPPED AT ANY SECTION.
- LAPPING OF BARS FOR BEAM AND SLAB SHALL BE AVOIDED IN THE MAXIMUM TENSION ZONES.
- DEVELOPMENT LENGTH (L_d) = $50 \times D$ OF THE BAR.

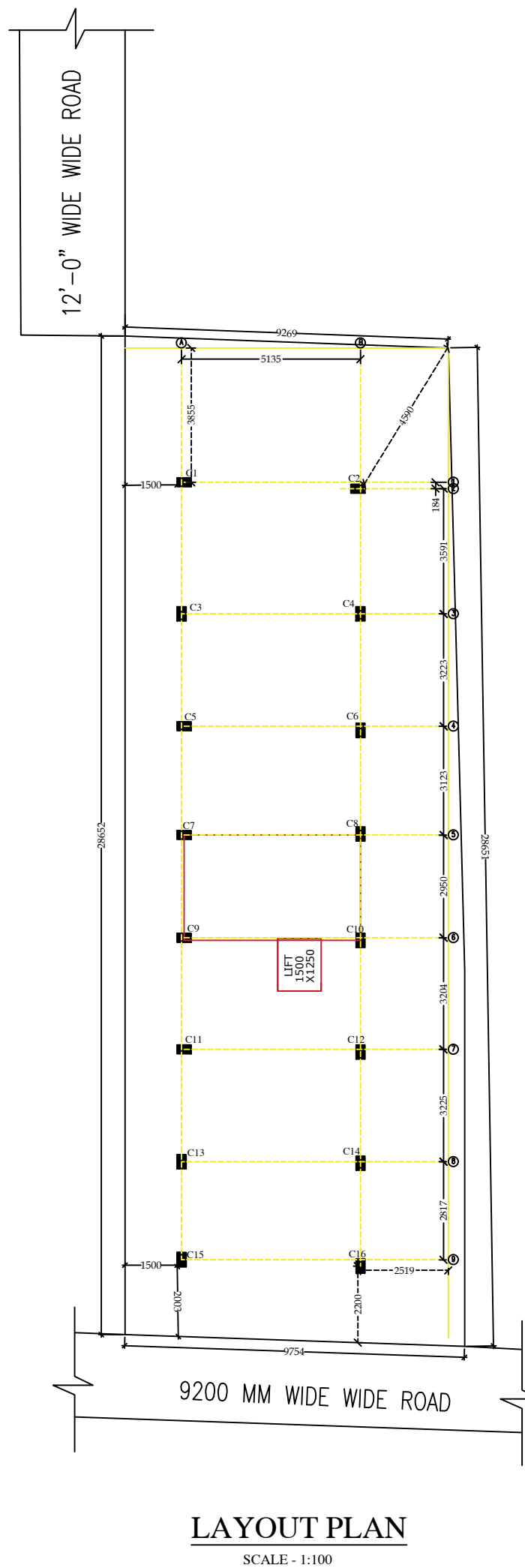
DRAWING SHEET CONTAINS

- COLUMN LAYOUT PLAN.
- FOUNDATION LAYOUT PLAN.
- FLOOR BEAM & SLAB LAYOUT PLAN.
- PLINTH BEAM LAYOUT.
- DETAILS OF COLUMN & FOUNDATION.
- DETAILS OF FLOOR BEAM.
- DETAILS OF FLOOR SLAB.
- DETAILS OF STAIR AND LIFT.

CHECKED BY:

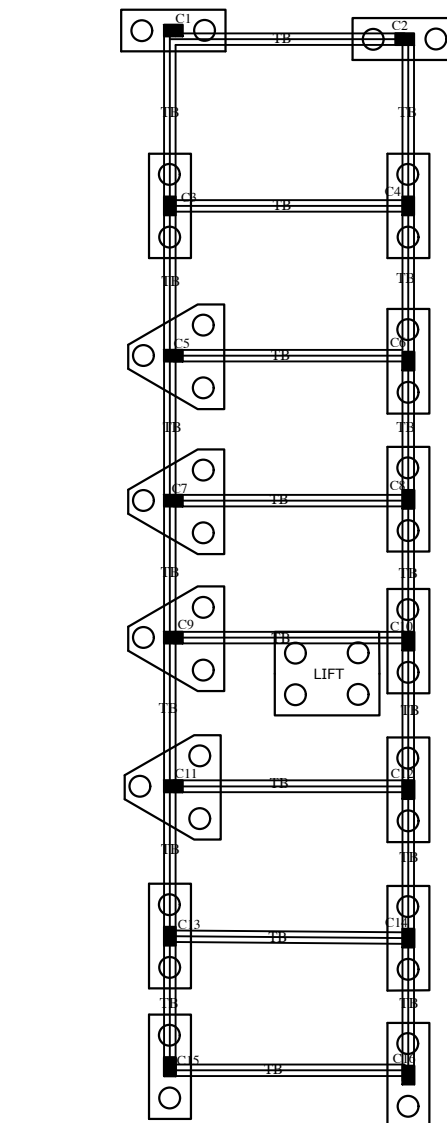
APPROVED BY:

DRAWN BY:



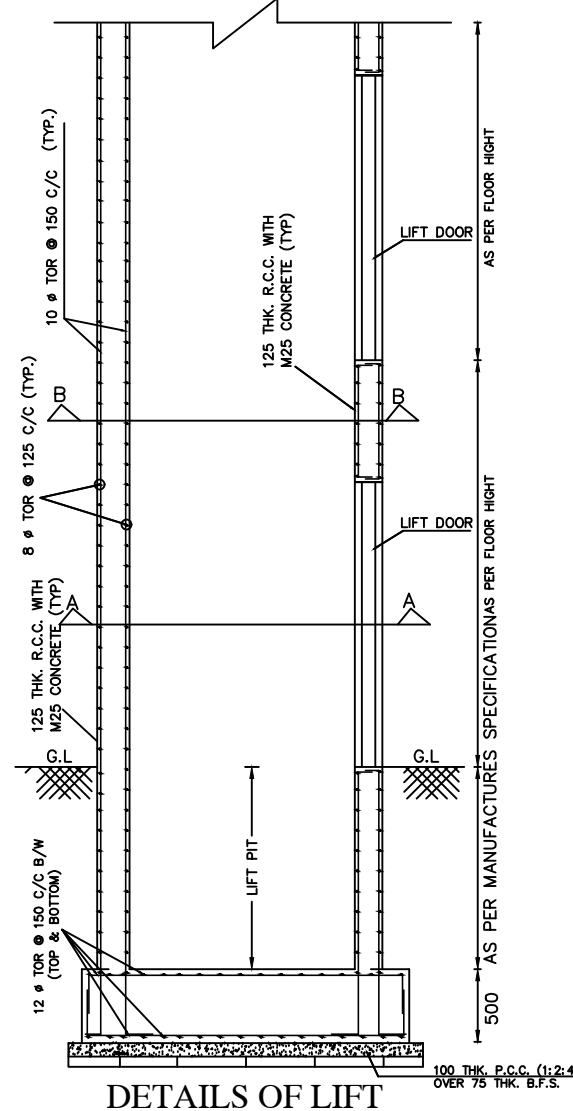
DTLS. OF TYPICAL FLOOR BEAM

SCALE - 1:100



DTLS. OF TIE BEAM & FOUNDATION PLAN

SCALE - 1:100



DETAILS OF LIFT