

NOTES :-

1. ALL DIMENSIONS ARE IN mm.
2. ALL SCALES ARE 1:100 UNLESS OTHER WISE STATED.
3. DEPTH OF FOUNDATION OF SEPTIC TANK AND S.U.G.R.SHOULD NOT GO BEYOND THE DEPTH OF FOUNDATION OF THE BUILDING. ALL SORTS OF PRECAUTIONARY MEASURE WILL BE TAKEN AT THE TIME OF CONSTRUCTION OF SEPTIC TANK AND S.U.G.R.

SPECIFICATIONS :-

1. EXTERNAL WALLS ARE 200 mm AND INTERNAL WALLS 75 mm THICK WITH CEMENT MORTAR 1:6 AND 1:4 RESPECTIVELY.
2. 75 THICK SCREED CONCRETE ON ROOF SLAB (1:1.5:3) USING CHEMICALS AND P.C.C.ARE 100 mm.
3. GRADES OF STEEL IS Fe-415, AND GRADE OF CONCRETE IS M-20.
4. ALL MATERIAL AND CONSTRUCTION SHOULD BE AS PER I.S. CODE.
5. ALL R.C.C. WORKS SHALL BE CARRIED OUT WITH (1:1.5:3) PROPORTION.
6. 450 mm PROJECTED CHAJJAH.
7. 16 mm. GRADE STONE CHIPS WILL BE USE IN R.C.C. WORKS.

CERTIFICATE FROM GEO-TECH ENGINEER

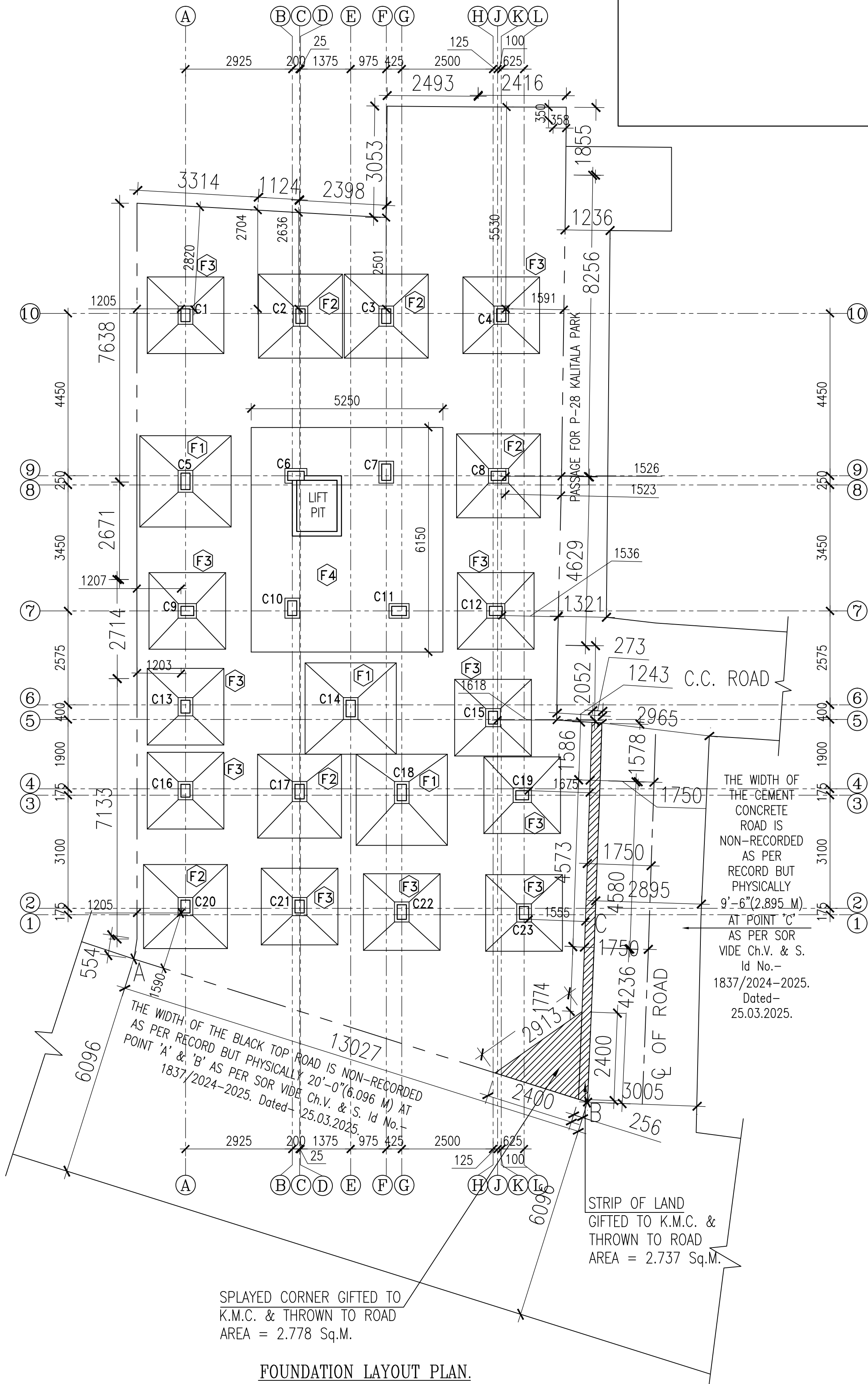
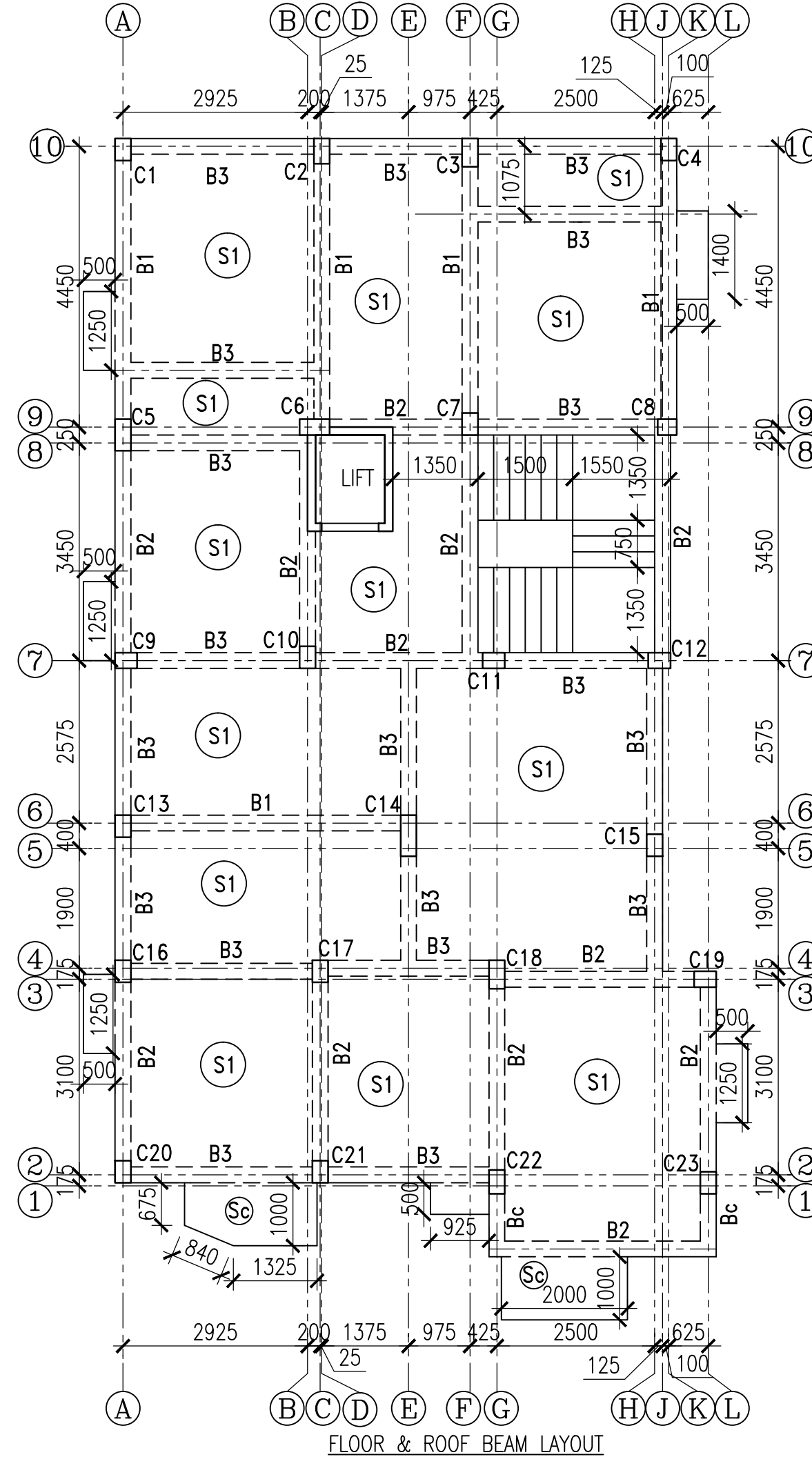
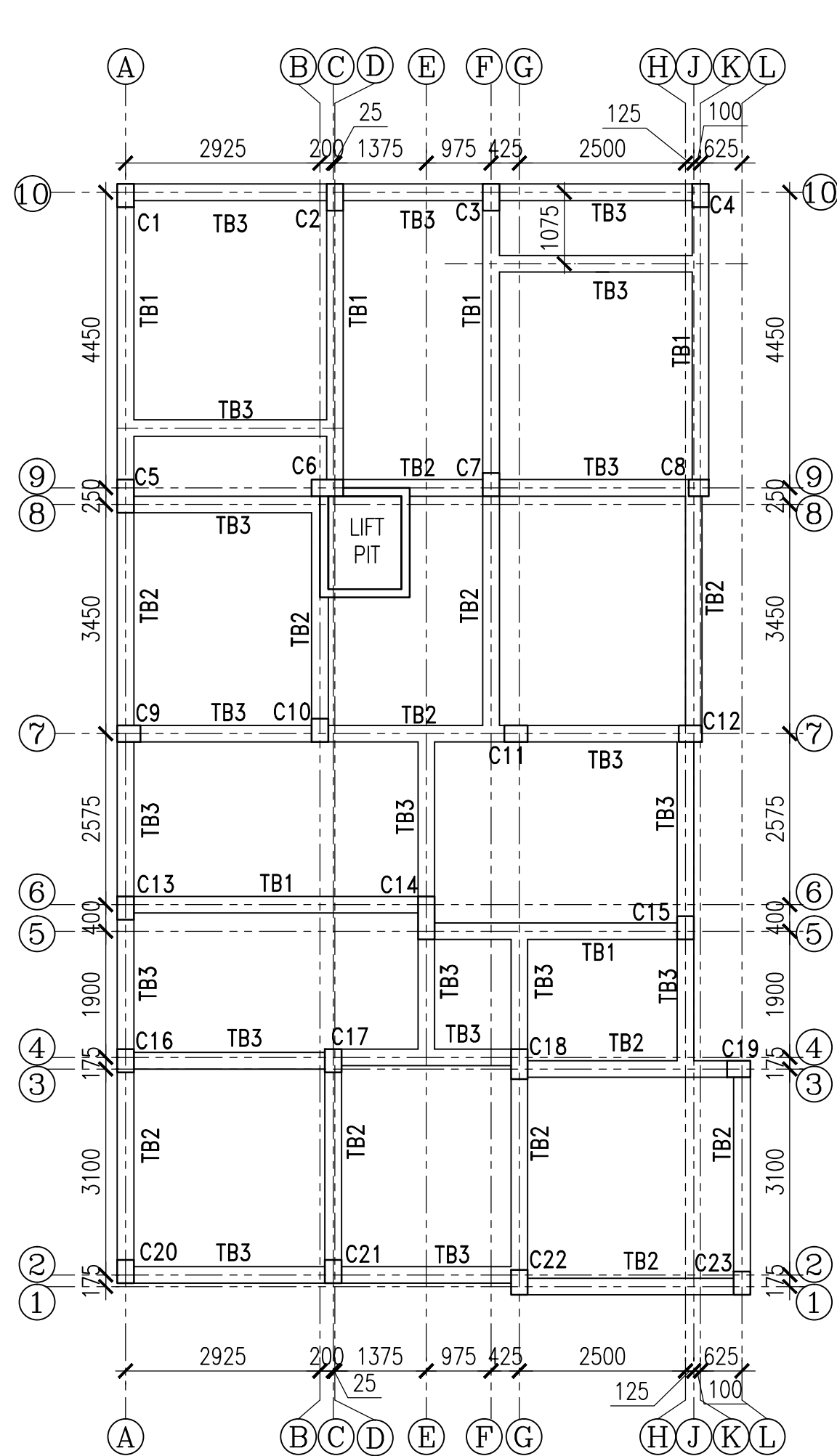
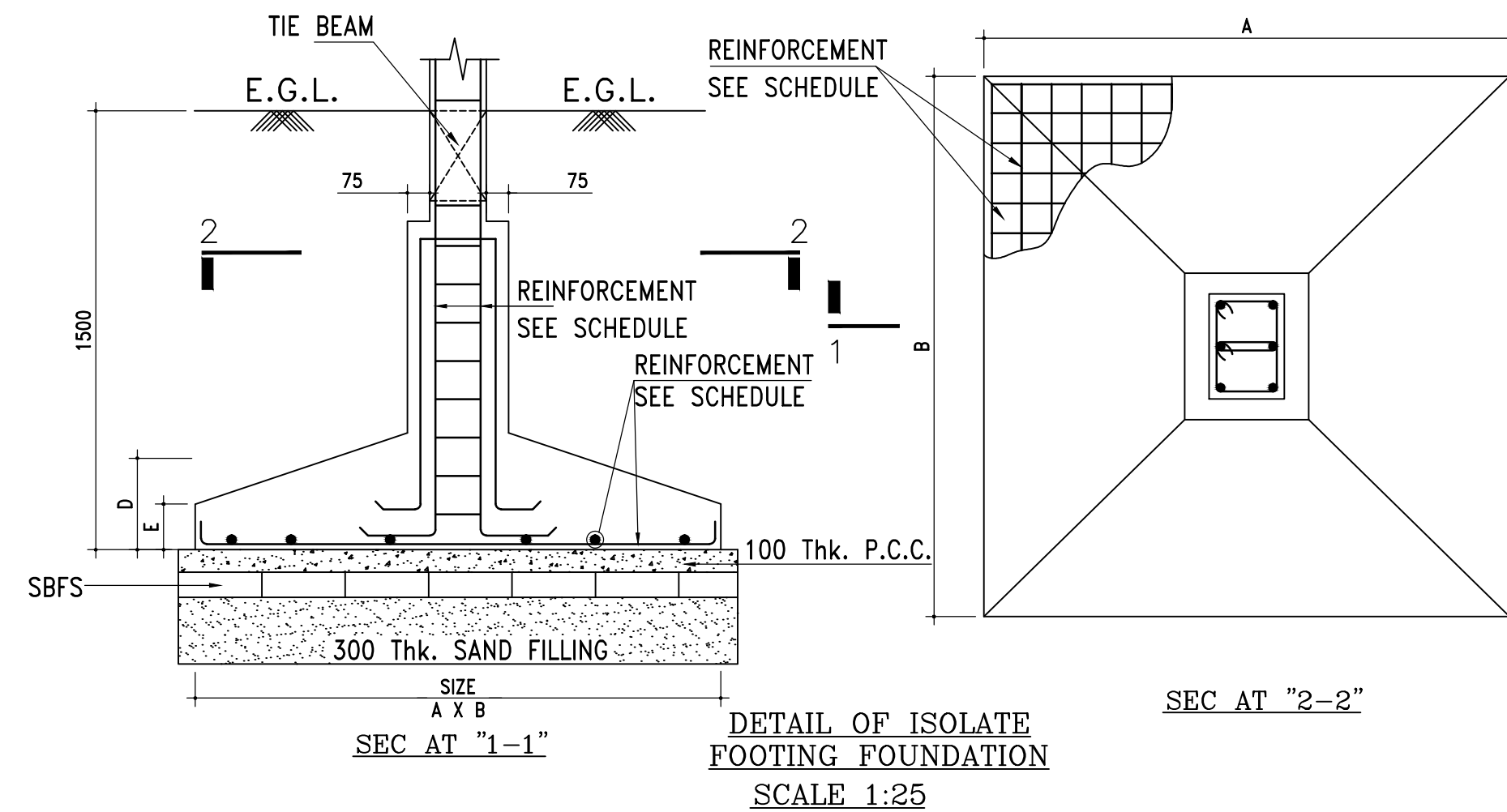
UNDERSIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE & STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

CERTIFICATE FROM E.S.E. :-

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT. THE STRUCTURAL DESIGN HAVE BEEN DONE DUE CONSIDERING THE SOIL INVESTIGATION REPORT PREPARED BY M/S. SOIL TECH, 51/1H, PRINCE GOLAM HOSSAIN SHAH ROAD, KOLKATA - 700032 AND SIGNED BY Mr. BHASKARJYOTI ROY, GEO-TECH ENGINEER.

BHASKAR JYOTI ROY
LICENSE NO.-04/II
SIGNATURE OF GEO-TECHNICAL ENGINEER

SIGNATURE OF E.S.E.
MANI BHUSAN CHAKRAVARTI
E.S.E. - 97 (II)



FOUNDATION REINFORCEMENT SCHEDULE FOR ISOLATED FOOTINGS						
FDN. MKD.	COLUMN MKD.	A	B	D	E	REINFORCEMENT
F1	C5, C14, & C18.	2500	2500	600	300	12 ̢ @150 C/C (B/W) AT BOT.
F2	C2, C3, C8, C17 & C20.	2300	2300	550	300	12 ̢ @150 C/C (B/W) AT BOT.
F3	C1, C4, C9, C12, C13, C15, C16, C19, C21, C22 & C23.	2100	2100	500	250	12 ̢ @150 C/C (B/W) AT BOT.
F4	C6, C7, C10 C11 & LIFT.	5250	6150	600	—	12 ̢ @150 C/C (B/W) AT TOP. 12 ̢ @150 C/C (B/W) AT BOT.

DEPTH OF THE FOUNDATION FROM E.G.L. 1500 mm.

COLUMN REINFORCEMENT SCHEDULE			
COLUMN MKD.	SIZE OF COL.	REINFORCEMENT	
		Fdn - Roof.	
C5, C6, C7, C14 & C18.	250 X 450	8 - 16 ̢	
C2, C3, C8, C10, C11, C17 & C22.	250 X 400	6 - 16 ̢	8 ̢ 4L @ 200 C/C
C1, C4, C9, C12, C13, C15, C16, C19, C20, C21, C22 & C23.	250 X 350	6 - 16 ̢	
LIFT	125 Thk. WALL	12 ̢ @150 C/C (B/W) AT TOP. 12 ̢ @150 C/C (B/W) AT BOT.	

BEAM REINFORCEMENT SCHEDULE							
BEAM MKD.	SIZE	SUPPORT REINF.		SPAN REINF.		STIRRUPS. 2L-8 ̢ @	
		TOP	BOT	TOP	BOT		
B1	250 X 450	4-16 ̢	2-16 ̢	2-16 ̢	4-16 ̢	8 ̢ @ 200 C/C AT SUPP.& SPAN.	
B2	250 X 350	3-16 ̢	2-16 ̢	2-16 ̢	3-16 ̢		
B3	250 X 300	3-16 ̢	2-16 ̢	2-16 ̢	3-16 ̢		
Bc	250 X 350	4-16 ̢	2-16 ̢	—	—		

SLAB REINFORCEMENT SCHEDULE									
PANEL MKD.	DEPTH OF SLAB (mm)	REINFORCEMENT							
		SHORT SPAN				LONG SPAN			
		SUPPORT	SPAN	SUPPORT	SPAN	SUPPORT	SPAN	SUPPORT	SPAN
S1	100	8 ̢ @ 150C/C	8 ̢ @ 300C/C	—	8 ̢ @ 150C/C	8 ̢ @ 150C/C	8 ̢ @ 300C/C	—	8 ̢ @ 150C/C
Sc	110/100	10 ̢ @ 100C/C	10 ̢ @ 100C/C	—	8 ̢ @ 200C/C	8 ̢ @ 200C/C	—	—	—

STAIR REINFORCEMENT SCHEDULE		
THICKNESS (mm)	BOTTOM REINFORCEMENT	REINFORCEMENT
150	10 ̢ @ 125 C/C.	10 ̢ @ 200 C/C
DISTRIBUTION STEEL 8 ̢ @175C/C WHEREVER REQD.		

SIGNATURE OF APPLICANT

MANI BHUSAN CHAKRAVARTI
L.B.S. - 538 (I)
SIGNATURE OF L.B.S.

PROPOSED STRUCTURAL DRAWING OF
G+THREE STORIED RESIDENTIAL
BUILDING AT PREMISES NO.-280,
KALITALA PARK, WARD NO.-113,
BOROUGH-XI, KOLKATA-700070,
P.S.-BANSDRONI, UNDER K.M.C.