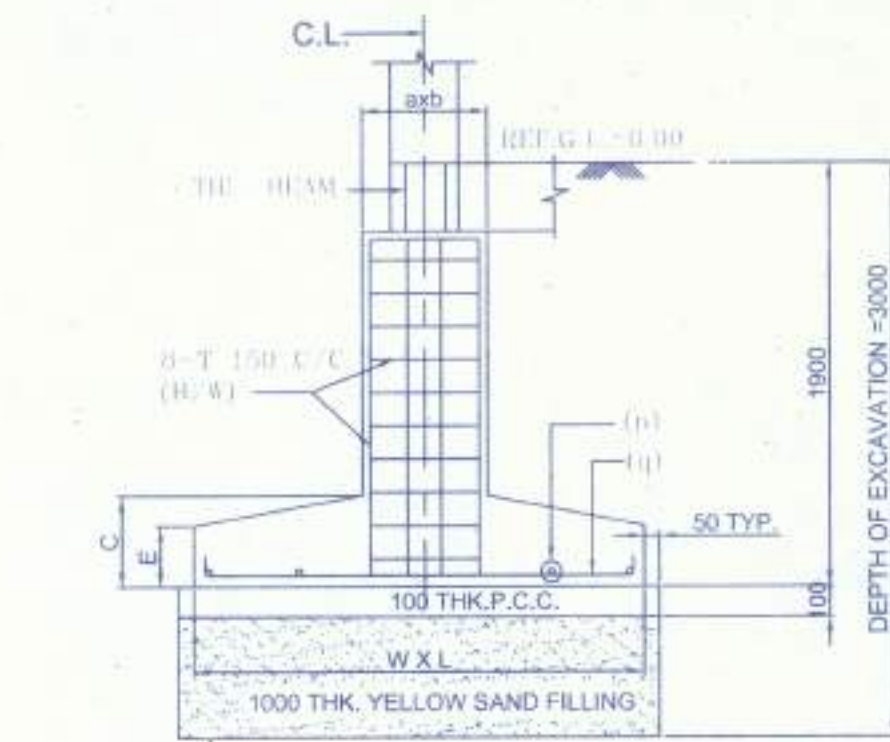
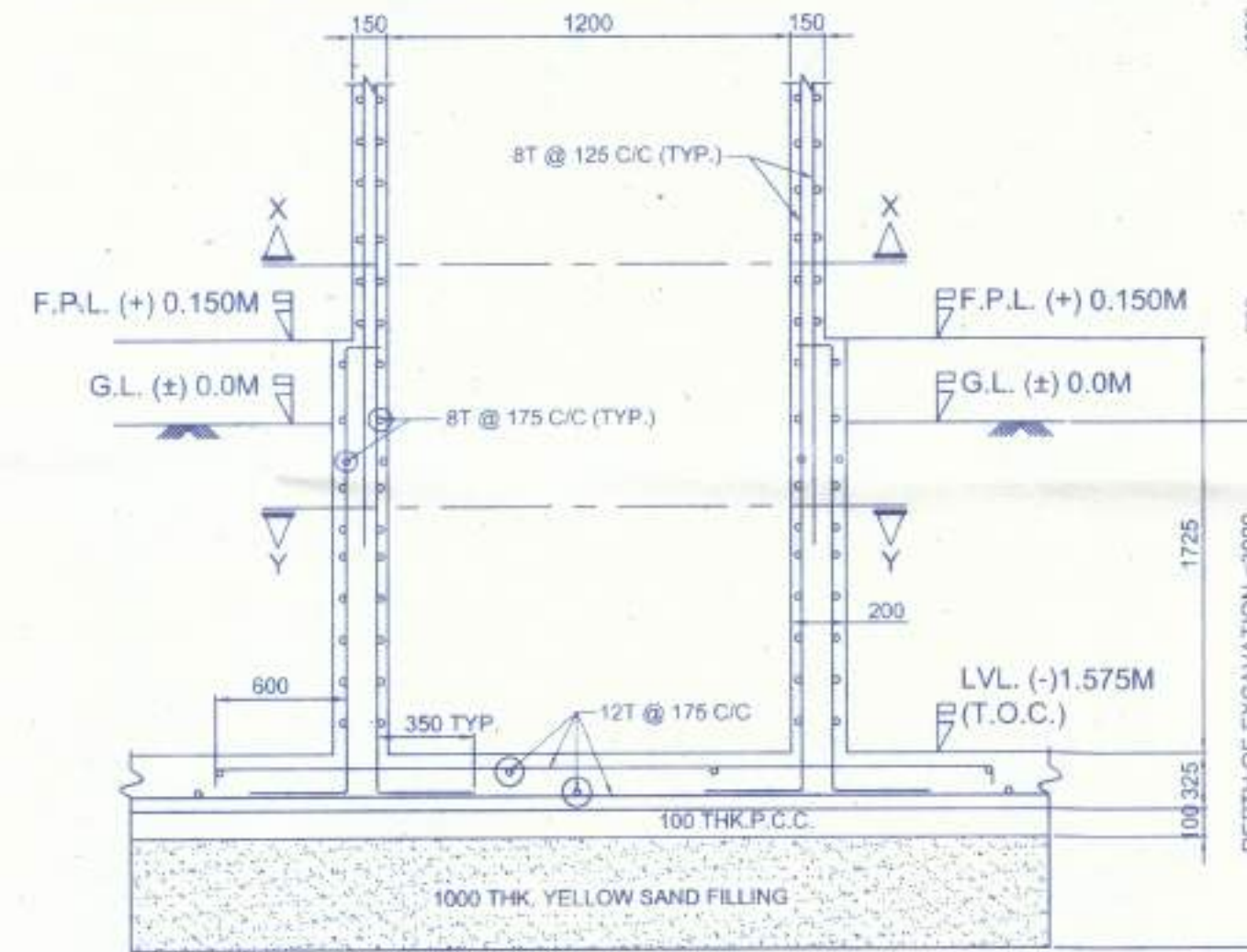
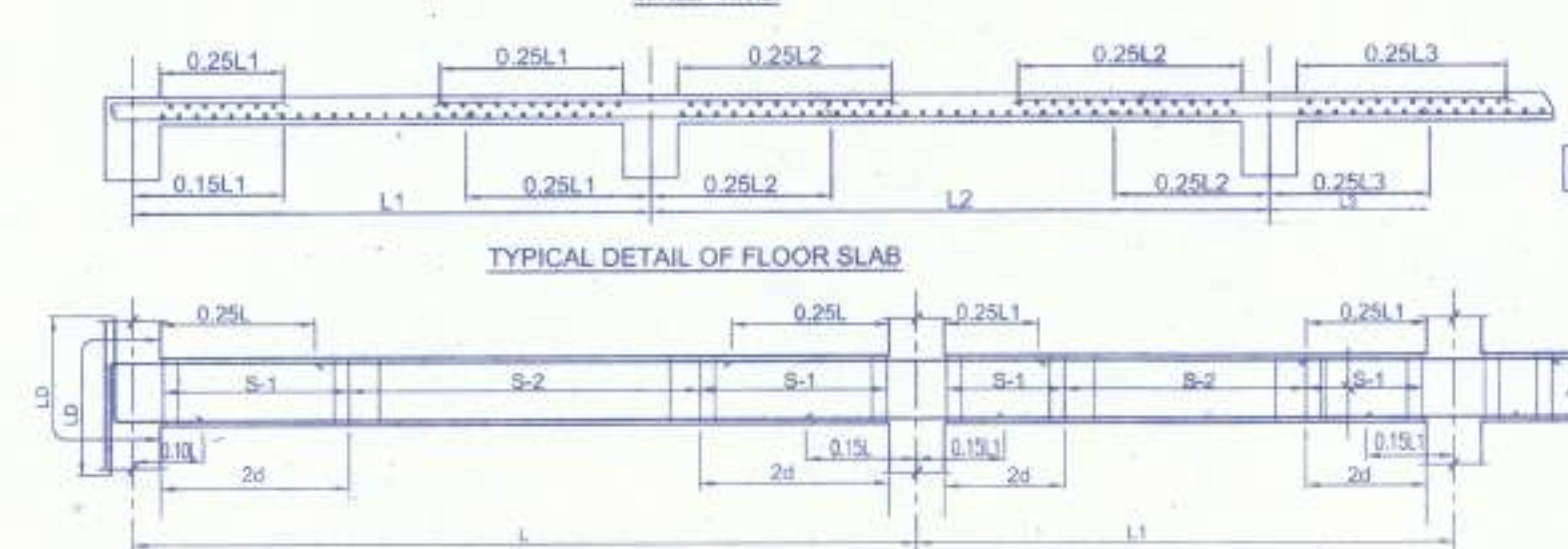




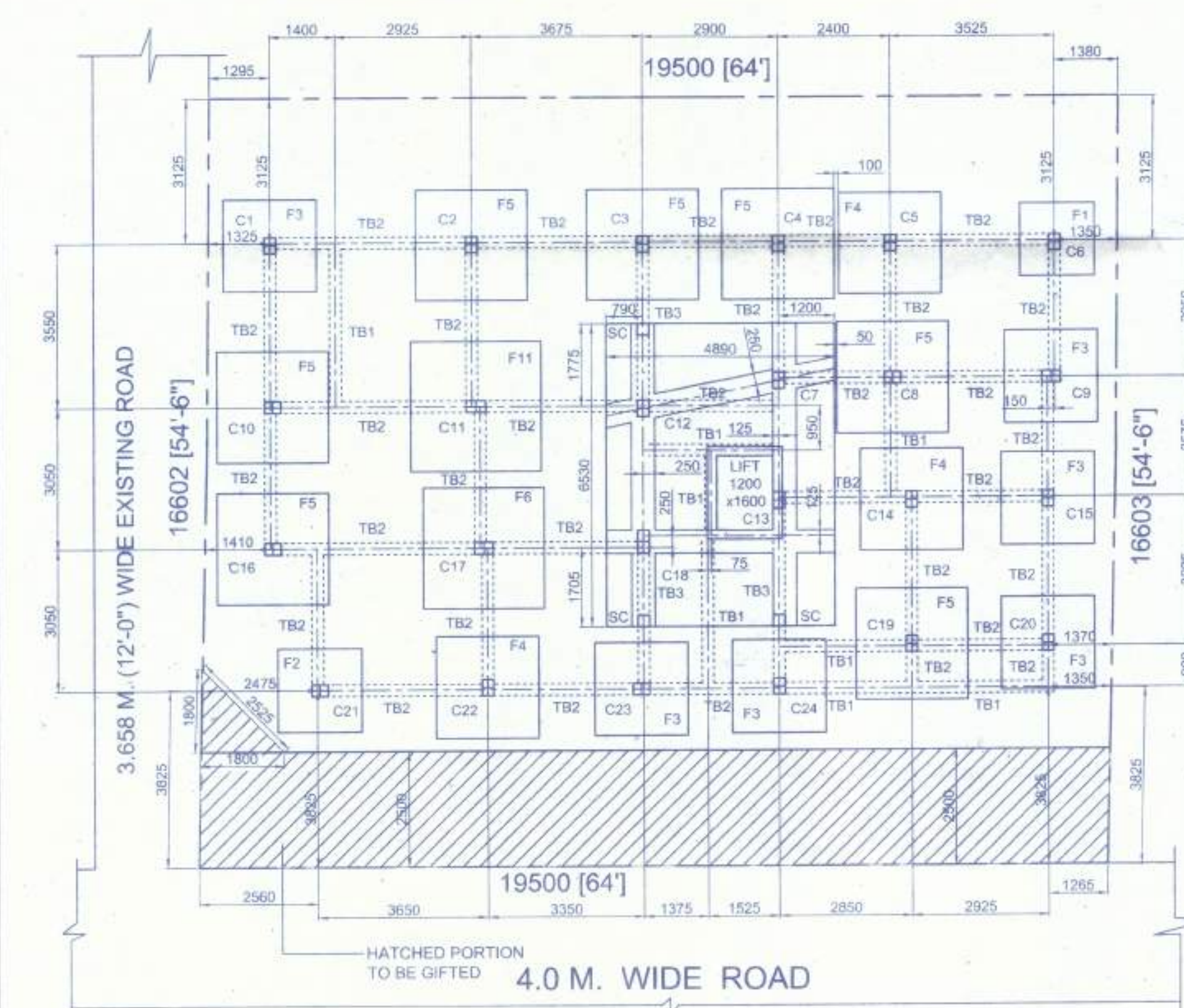
TYPICAL DETAILS OF ISOLATED FOOTING



DETAILS OF LIFT WELL

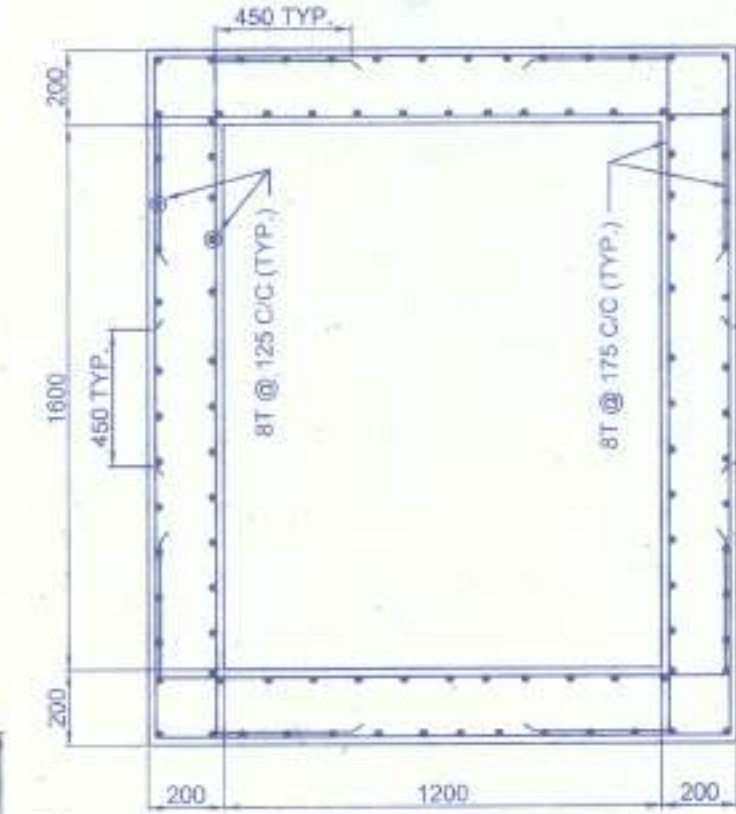


TYPICAL DETAIL OF FLOOR SLAB

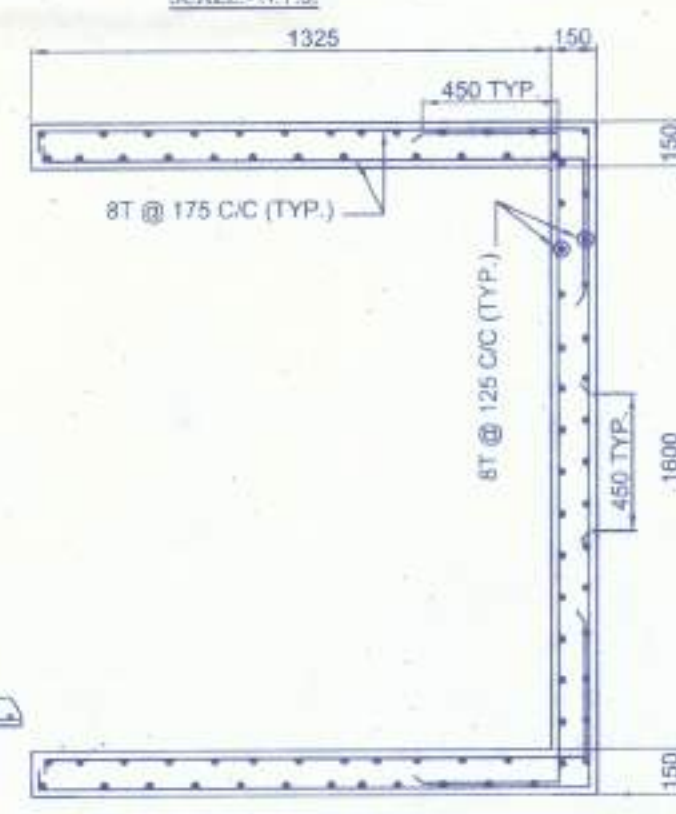


FOUNDATION & TIE BEAM LAY-OUT
SCALE:- 1:100

FOOTING MARK	COLUMN MARK	DESCRIPTION	WIDTH (mm)	THICKNESS (mm)	EDGE (E) CENTER (C)	LENGTH (mm)	PEDESTAL	REINFORCEMENT	NO. OF FOOTING
F1	C6	COL. LENGTH +100	1600	1600	250	300	COL. LENGTH +100	COL. WIDTH +100	12T @ 150 C/C
F2	C21	COL. LENGTH +100	1800	1800	250	300	COL. LENGTH +100	COL. WIDTH +100	12T @ 150 C/C
F3	C1, C9, C13, C20, C23, C24	COL. LENGTH +100	2000	2000	250	300	COL. LENGTH +100	COL. WIDTH +100	12T @ 150 C/C
F4	C5, C14, C22	COL. LENGTH +100	2200	2200	250	350	COL. LENGTH +100	COL. WIDTH +100	12T @ 150 C/C
F5	C2, C3, C4, C8, C10, C16, C19	COL. LENGTH +100	2400	2400	250	350	COL. LENGTH +100	COL. WIDTH +100	12T @ 150 C/C
F6	C17	COL. LENGTH +100	2600	2600	250	400	COL. LENGTH +100	COL. WIDTH +100	12T @ 150 C/C
F7	C11	COL. LENGTH +100	2800	2800	250	400	COL. LENGTH +100	COL. WIDTH +100	12T @ 150 C/C
CF1	C7, C12, C13, C18	COL. LENGTH +100	6500	4890	325	325	COL. LENGTH +100	COL. WIDTH +100	12T @ 150 C/C (BOT.)



SECTION - Y-Y

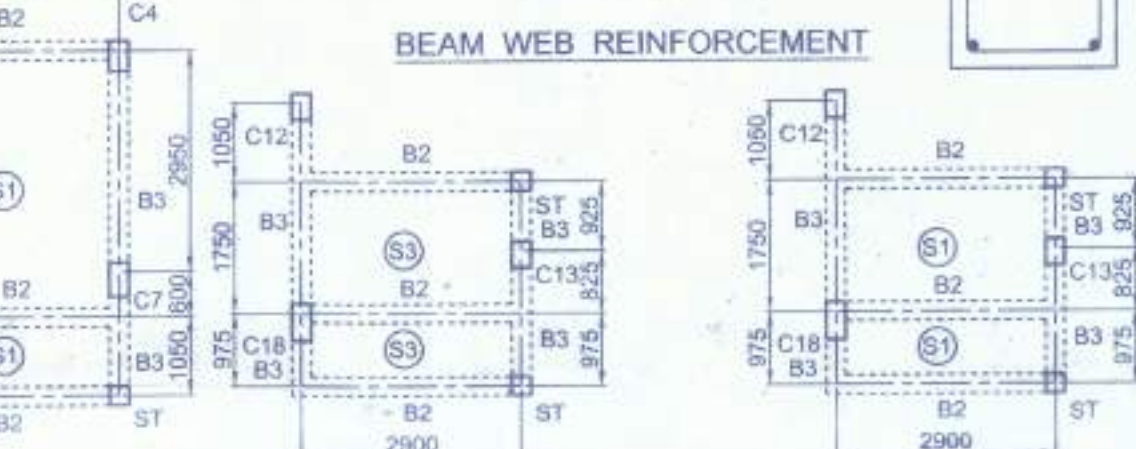
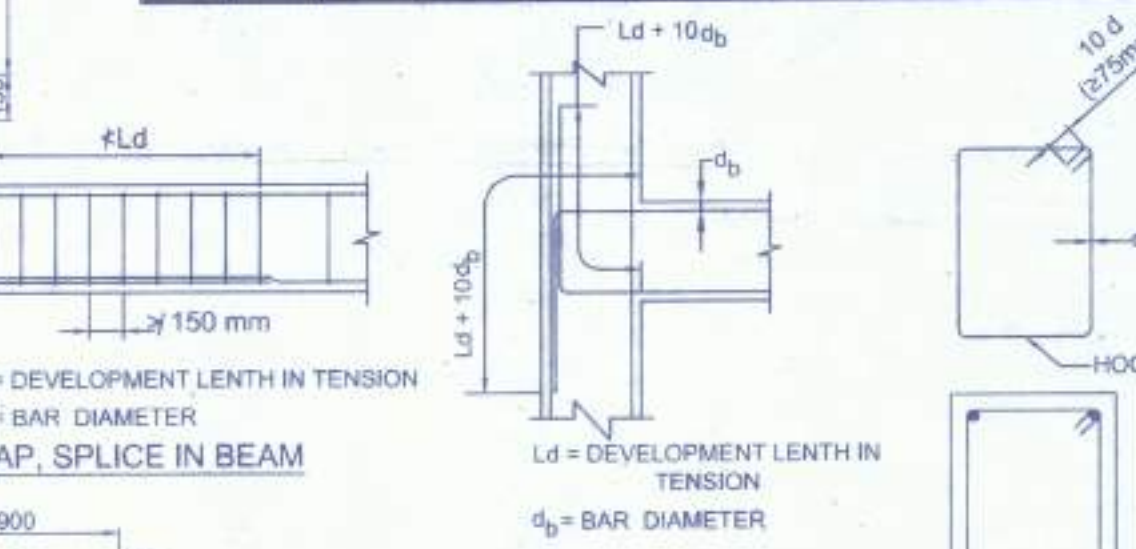


SECTION - X-X

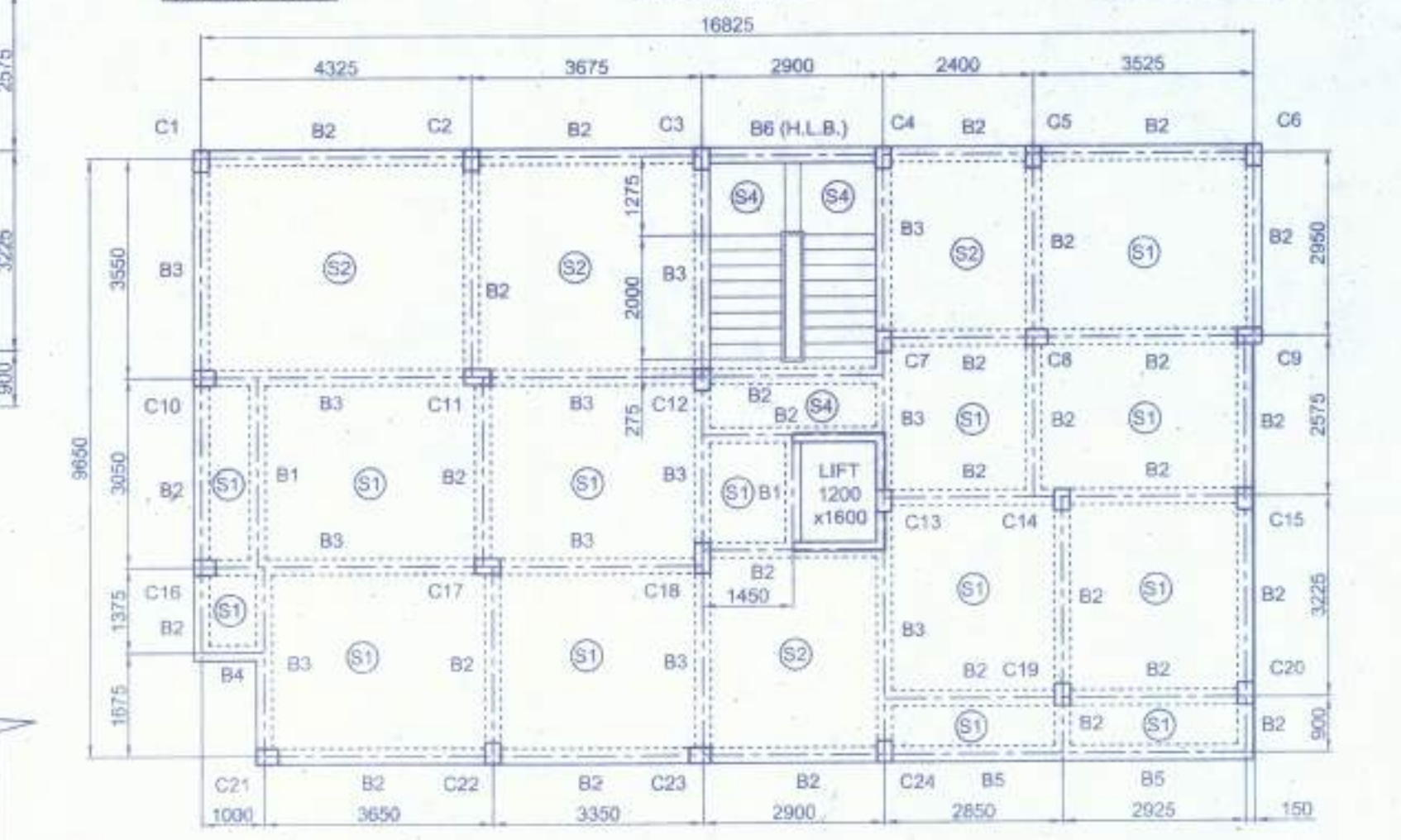
MKD	THICK	SPAN	SUPPORT	REINFORCEMENT	NO. OF SLAB
S1	130	1200	1200	1200	1200
S2	120	1200	1200	1200	1200
S3	150	1200	1200	1200	1200
S4	140	1200	1200	1200	1200

MKD.	SIZE	REINFORCEMENT	STIRRUP	SPAN (S2)
TB1	250	2-12T	2-12T	100 C/C
TB2	250	2-12T	2-12T	100 C/C
TB3	250	2-12T	2-12T	100 C/C

MKD.	SIZE	REINFORCEMENT	STIRRUP	SPAN (S2)
B1	250	2-12T	2-12T	100 C/C
B2	250	2-12T	2-12T	100 C/C
B3	250	2-12T	2-12T	100 C/C

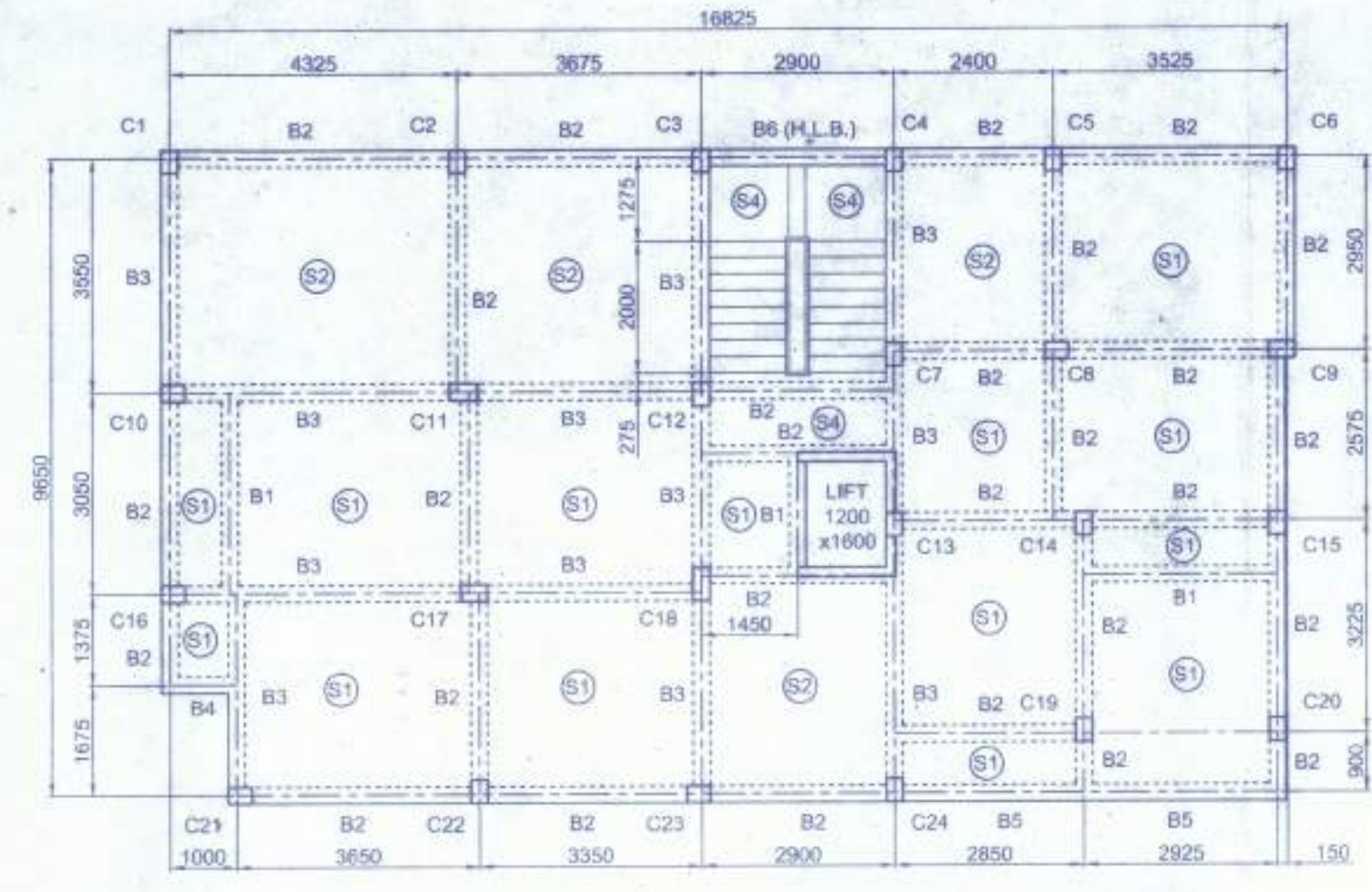


STAIR HEAD ROOM ROOF BEAM & SLAB LAY-OUT
SCALE:- 1:100

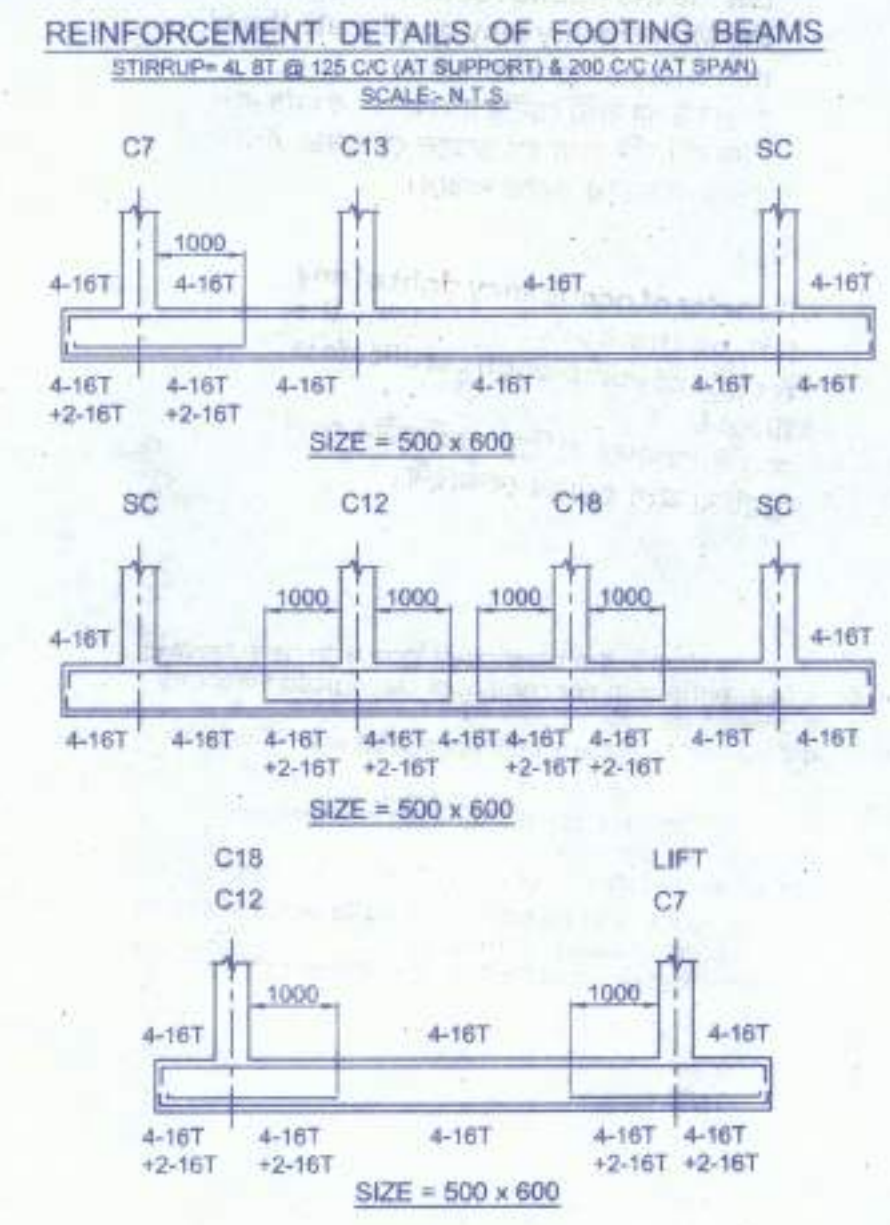


FIRST & THIRD FLOOR BEAM & SLAB LAY-OUT
SCALE:- 1:100

COLUMN MKD.	REINFORCEMENT	SHAPE OF BAR	NO. OF COL.	COLUMN MKD.	REINFORCEMENT	SHAPE OF BAR	NO. OF COL.
C1, C2, C3, C4, C5, C6, C7, C8, C10, C12, C13, C14, C15, C19, C20, C21, C22, C23, C24	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	19	C1, C2, C3, C4, C5, C6, C7, C8, C10, C12, C13, C14, C15, C19, C20, C21, C22, C23, C24	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	19
C9	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	1	C9	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	1
C11	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	1	C11	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	1
C16	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	1	C16	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	1
C17	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	1	C17	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	1
C18	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	1	C18	4-12T + 4-16T WITH 2 C.L. PER SET	8T @ 150 C/C	1
SC (BELOW FOUNDATION LEVEL TO TOP OF TIE BEAM)	4-16T WITH 1 C.L. PER SET	8T @ 150 C/C	3	ST (FROM ROOF TO TOP)	4-16T WITH 1 C.L. PER SET	8T @ 150 C/C	2



SECOND FLOOR BEAM & SLAB LAY-OUT
SCALE:- 1:100



NOTES & SPECIFICATIONS:-

1. ALL DIMENSIONS ARE IN M.M. UNLESS OTHERWISE MENTIONED.
2. WRITTEN DIMENSIONS TO BE FOLLOWED.
3. ALL P.C.C. WORK WILL BE IN (1:3:6)
4. ALL BUILDING MATERIALS TO BE USED AS PER N.B.C. OF INDIA.
5. MINIMUM COVER FOR R.C.C. STRUCTURES:
 - FOR SLAB- 20 M.M.
 - FOR BEAM- 25 M.M.
 - FOR COLUMN- 40 M.M.
 - FOR FOUNDATION- 50 M.M.
6. GRADE OF CONCRETE- M 20 (1:1.5:3).
7. GRADE OF STEEL- Fe 500.
8. FOUNDATION DESIGNED CONSIDERING SOIL BEARING CAPACITY TO BE 9.1 T/SQM. AS PER SOIL REPORT.
9. THE STRUCTURAL DESIGN IS MADE CONSIDERING G+III STORED RESIDENTIAL STRUCTURE.

STRUCTURAL CERTIFICATE

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER-STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AS PER N.B.C. OF INDIA AND CERTIFICATE THAT IT IS SAFE AND STABLE IN ALL RESPECT.

Partha Ghosh
Partha Ghosh
B.E. (CIVIL)
Signature of E.S.E

JAYANTA MAJUMDAR
B.E., M.E., M.I.G.S.
Geotechnical Engineer
G.T/1/13
Signature of GEO-TECHNICAL ENGINEER.

For SURAKSHA CONSTRUCTION
Sanjay Sanjay
Partner
Signature of OWNERS

Buddhiswar Naskar
BUDDHISWAR NASKAR
Civil Engineer
E.S. Class-I
L.C. No. 519
Rajpur-Sonarpur Municipality
Signature of E.B.A.

STRUCTURAL DRAWING OF PROPOSED G+III STORED RESIDENTIAL BUILDING AT HOLDING NO.- 648 GARAGACHHA, MOUZA- GARAGACHHA, R.S. DAG NO.- 245, L.R. DAG NO.- 269, R.S. KHATIAN NO.- 125, L.R. KHATIAN NO.- 589 & 590, J.L. NO. 45, WARD NO.- 01, P.S.-SONARPUR (PRESENTLY NARENDRAPUR), DIST.- 24 PGS(S), UNDER RAJPUR SONARPUR MUNICIPALITY.

DETAILS OF:-
FOUNDATION, FOUNDATION BEAM, LIFT, COLUMN, TIE-BEAM, BEAM & SLAB.

STRUCTURAL SHEET

SCALE:- 1:100 & AS NOTED
OFFICE USE :-

Structural plan as submitted by the structural Engineer have been kept with Building Plan No. 92/23/01/04 Dated On: 17/09/2021 for record of the Rajpur-Sonarpur Municipality without Verification No. deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form necessary steps should be taken for the safety of the adjoining premises public private properties and safety of human life during Construction

Sanjay Sanjay
Sig. of Assistant Engineer.
Incharge P.W.D.
RAJPUR-SONARPUR MUNICIPALITY