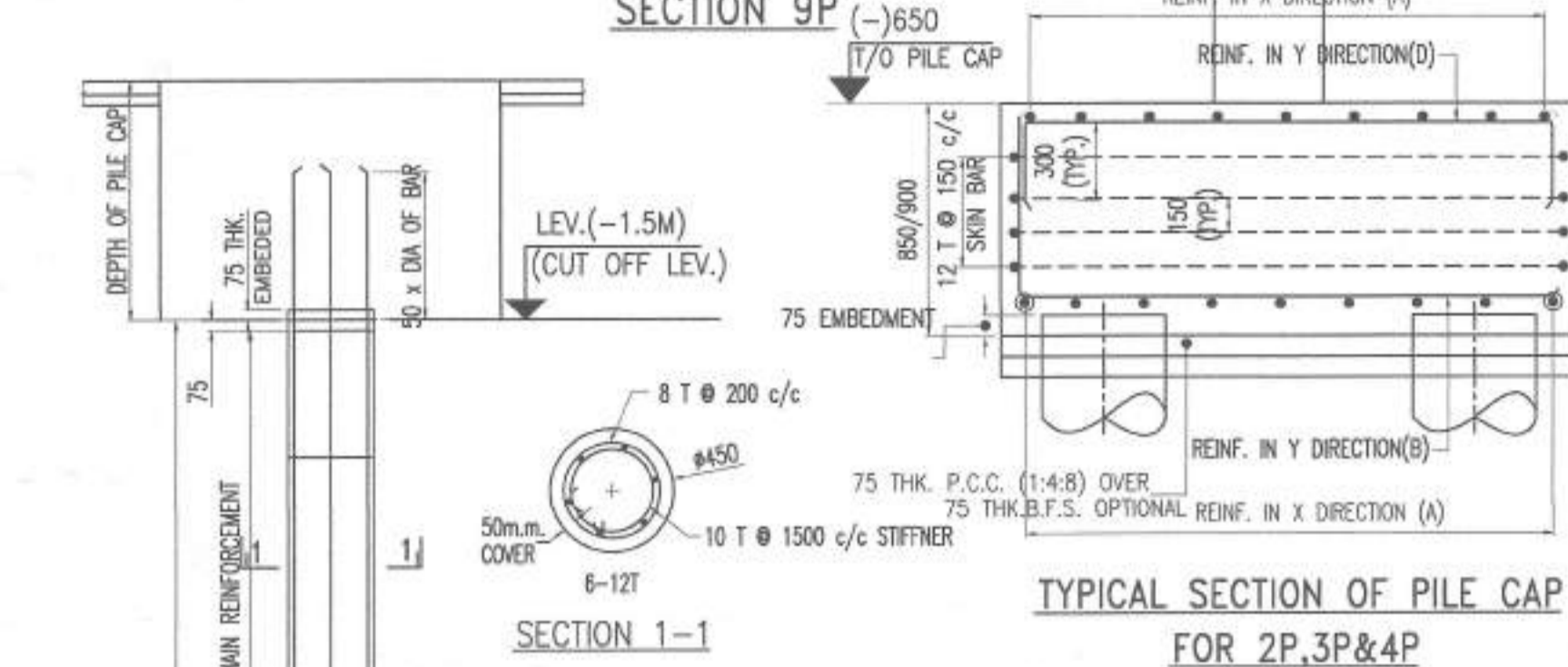


PILE MARKED	DIA. OF PILES	DIMENSIONS	REINFORCEMENT				STIRRUPS	SFR
			BOTTOM		TOP			
			X-DIRECTION (A)	Y-DIRECTION (B)	X-DIRECTION (C)	Y-DIRECTION (B)		
2P	450 DIA	850	16@115C/C	10@125C/C	10@115C/C	10@125C/C	NOT REQUIRED	12@150/C
3P	450 DIA	850	16@150C/C	16@150C/C	10@150C/C	10@150C/C	NOT REQUIRED	12@150/C
4P	450 DIA	900	16@150C/C	16@150C/C	10@150C/C	10@150C/C	NOT REQUIRED	12@150/C
5P	450 DIA	900	16@125C/C	16@125C/C	12@125C/C	12@125C/C	NOT REQUIRED	12@150/C
6P	450 DIA	1000	16@125C/C	16@125C/C	12@125C/C	12@125C/C	NOT REQUIRED	12@150/C

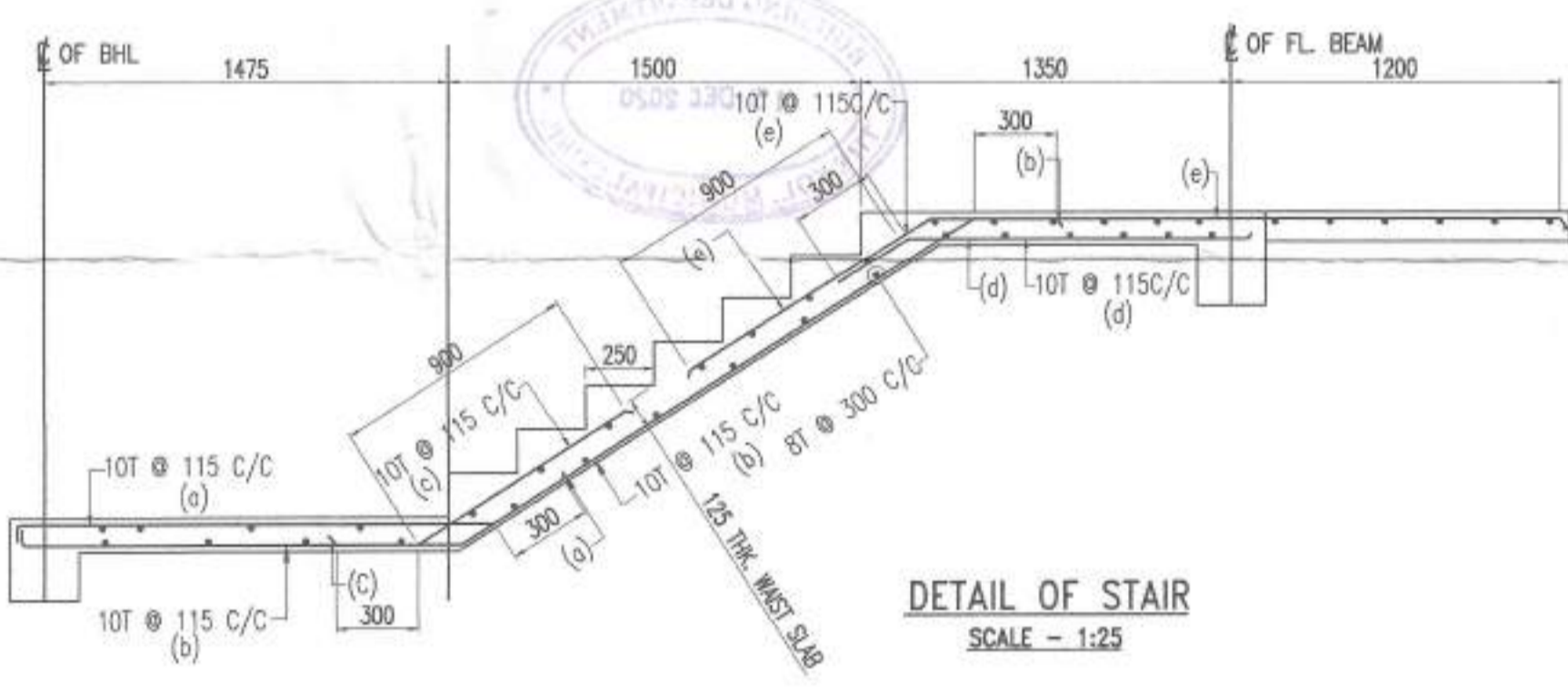


PANEL MKD.	THK. OF SLAB	REINFORCEMENT			
		ALONG SHORTER DIRECTION	SPAN	ALONG LONGER DIRECTION	SPAN
S1	110	8T @ 150C/C	8T @ 150C/C	8T @ 150C/C	8T @ 150C/C
S2	135	8T @ 150C/C	8T @ 150C/C	8T @ 150C/C	8T @ 150C/C
S3	110	8T @ 175C/C	8T @ 175C/C	8T @ 200C/C	8T @ 200C/C
S4	110	10T @ 150C/C	8T @ 180C/C	8T @ 180C/C	8T @ 150C/C
S5	125	8T @ 125C/C	8T @ 125C/C	8T @ 200C/C	8T @ 200C/C
S6	135	8T @ 125C/C	8T @ 125C/C	8T @ 200C/C	8T @ 125C/C
S7	135	10T @ 150C/C	10T @ 150C/C	8T @ 150C/C	8T @ 150C/C

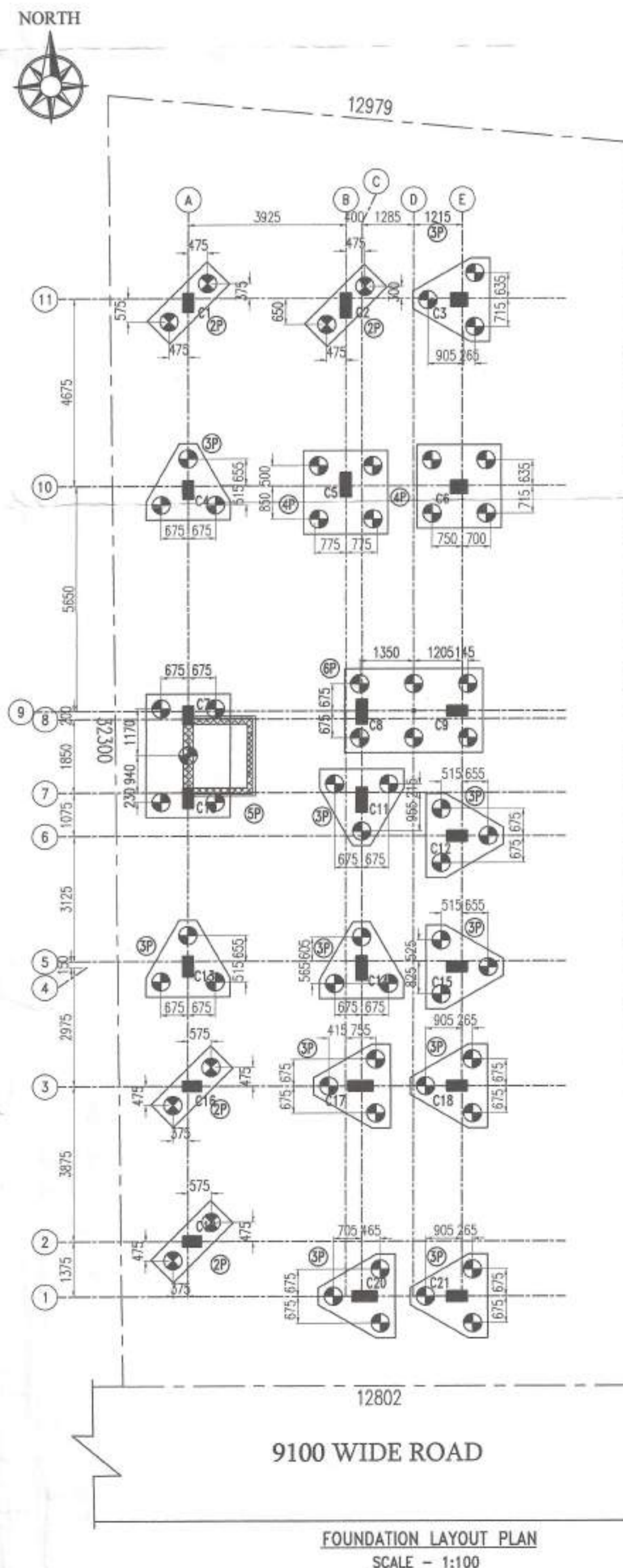
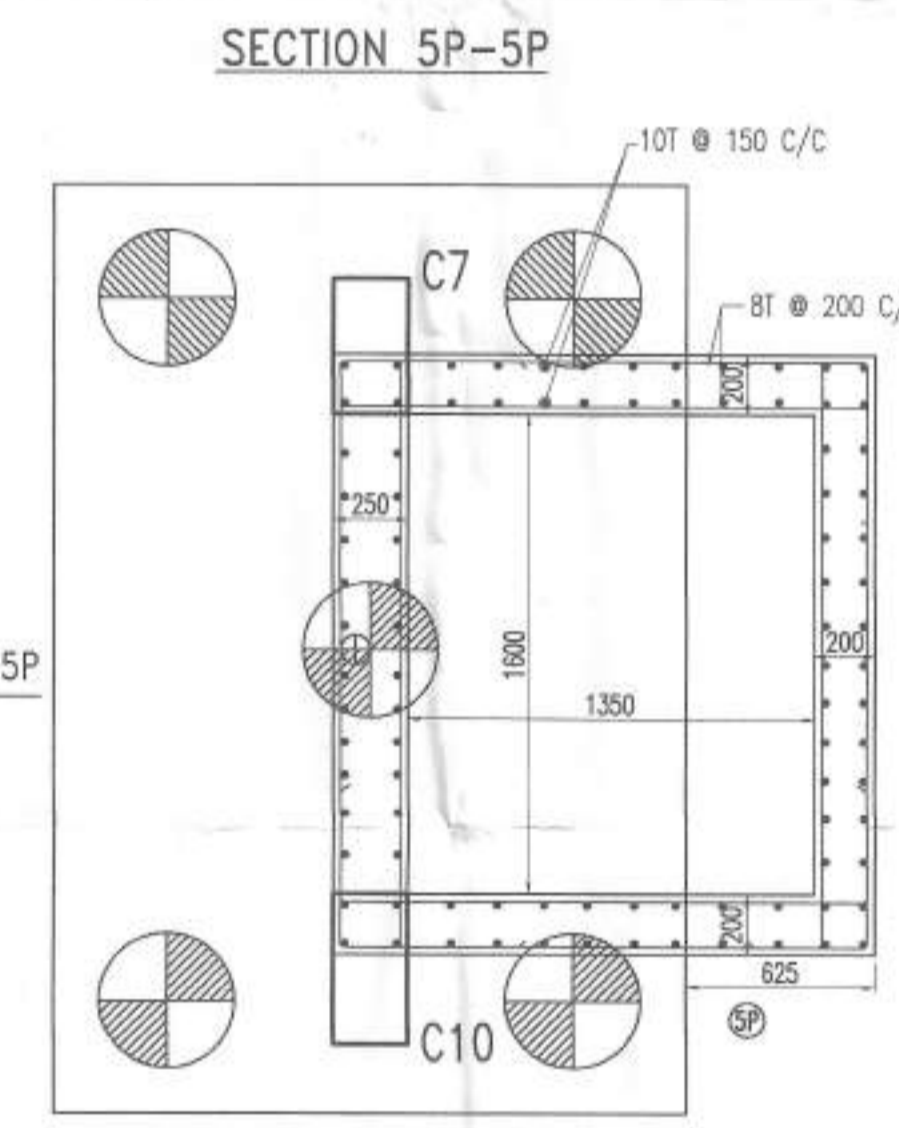
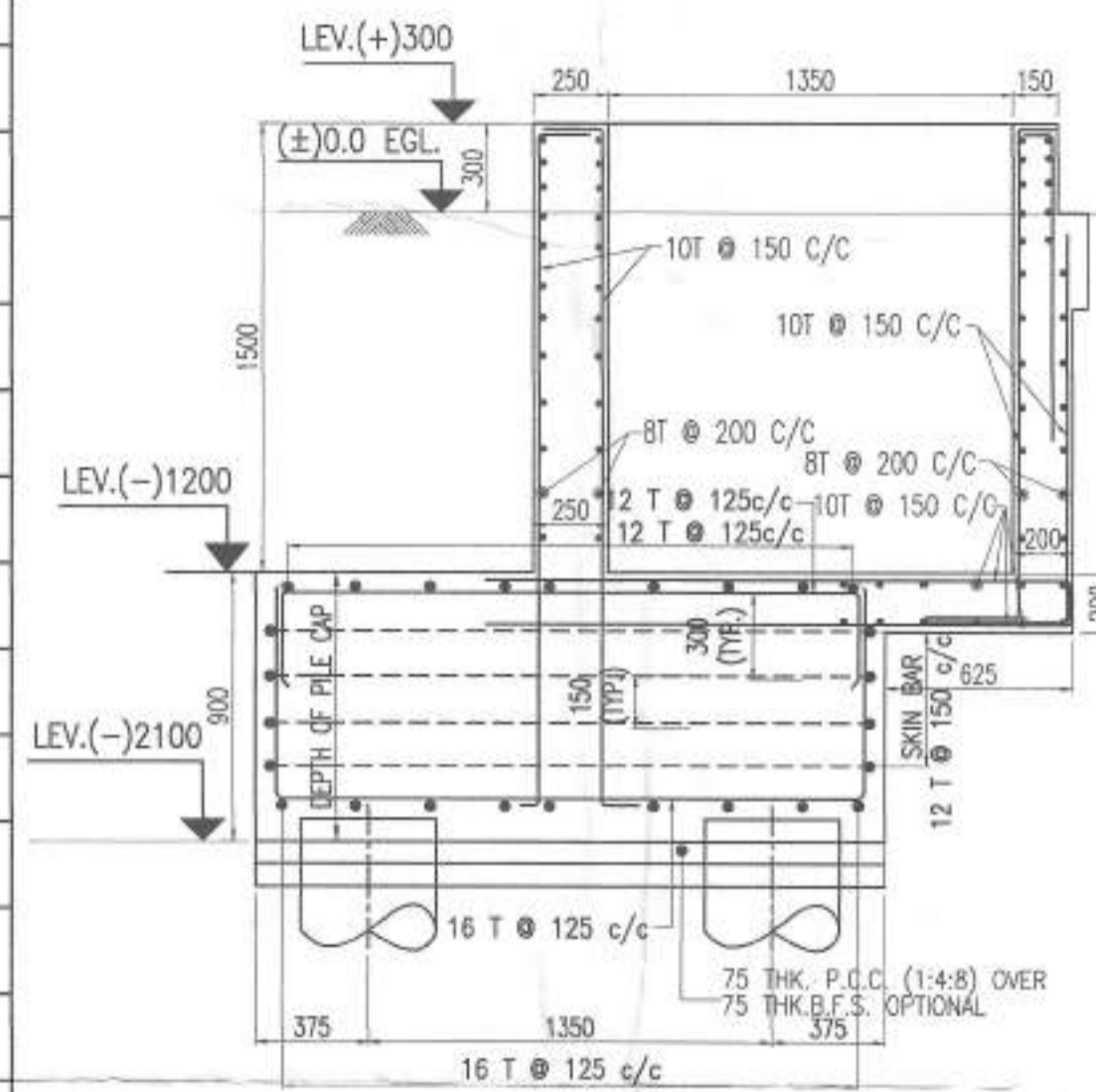
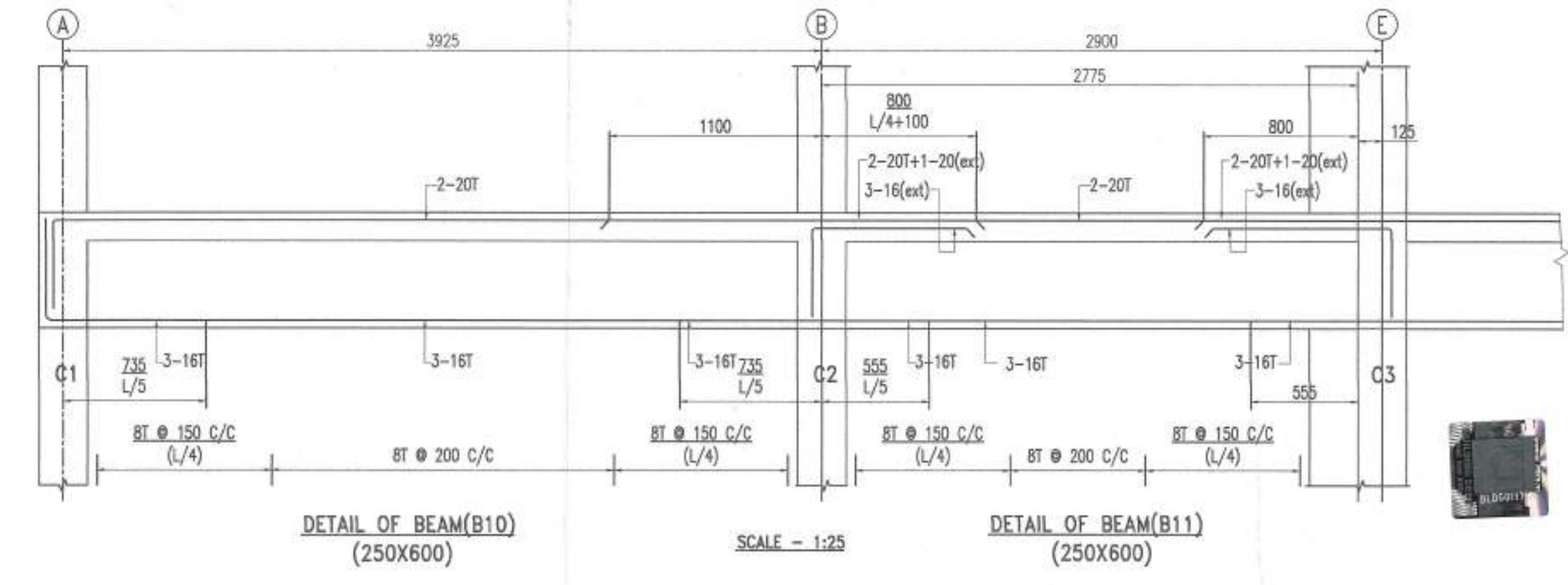
PILE MKD.	NO. OF PILE	TOTAL PILE
2P	4 NOS.	2x4 = 8
3P	11 NOS.	3x11 = 33
4P	2 NOS.	4x2 = 8
5P	1 NO.	5x1 = 5
6P	1 NO.	6x1 = 6
		Total = 60

450 DIA BORED PILE
CAST-IN-SITU PILE
CAPACITY - 33 TON.
TYP. DET. OF PILE
SCALE = 1:50

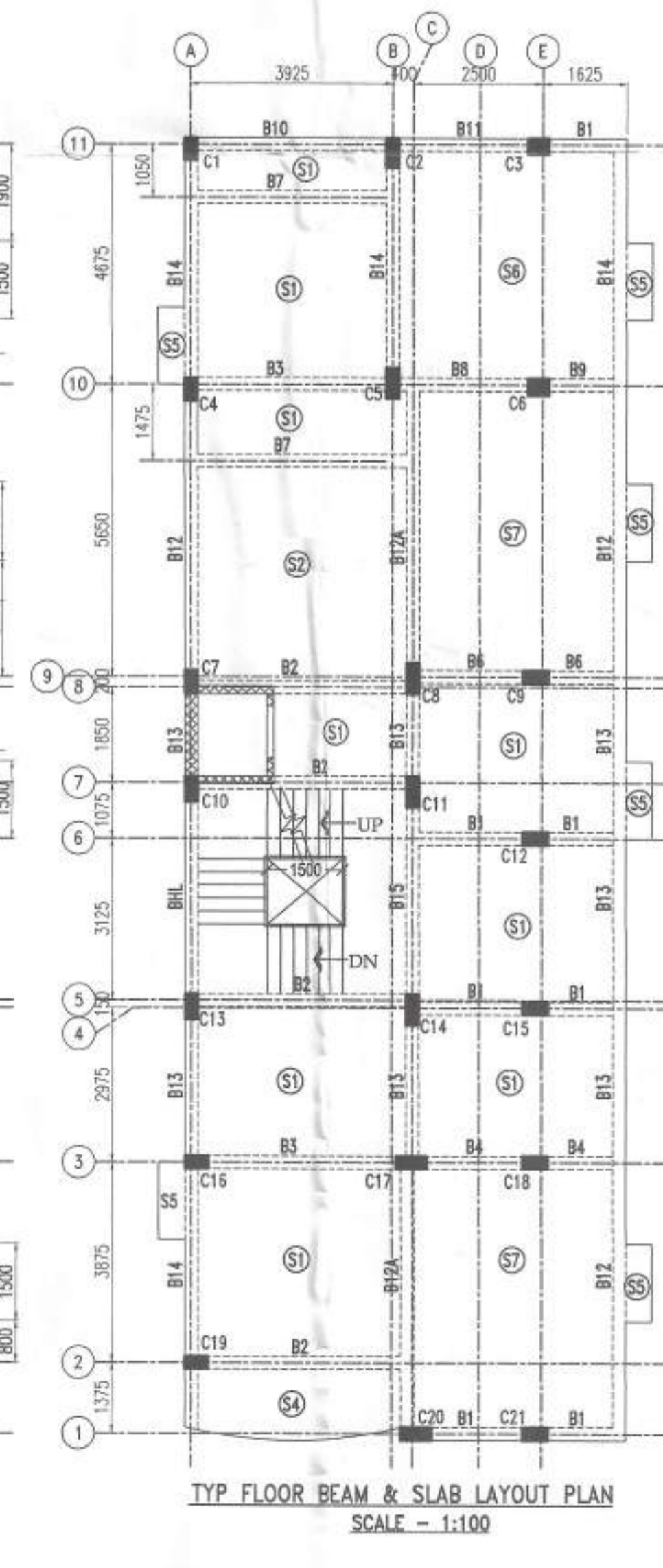
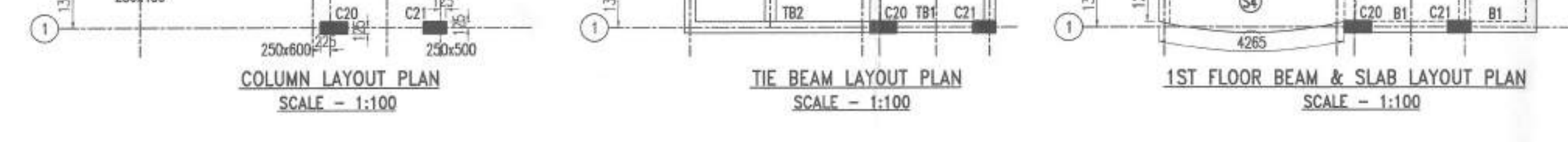
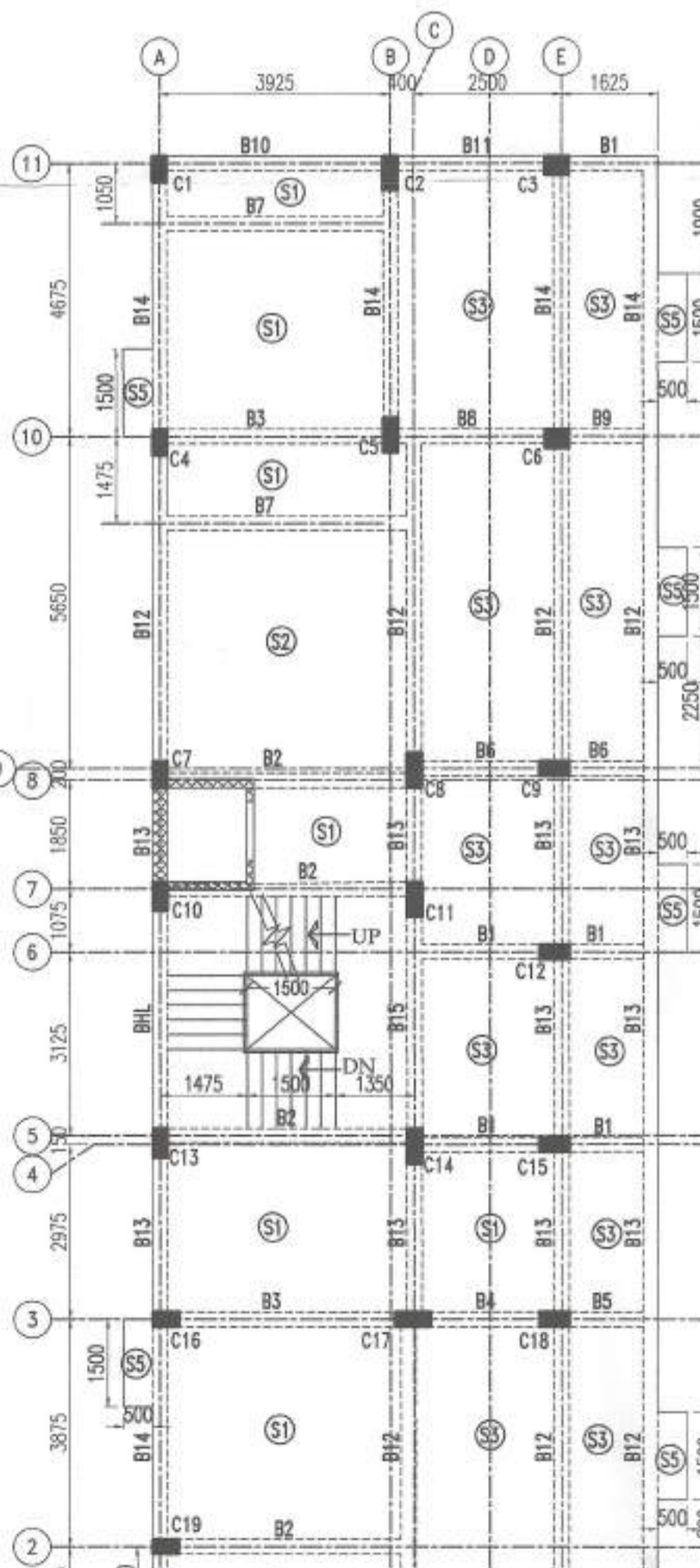
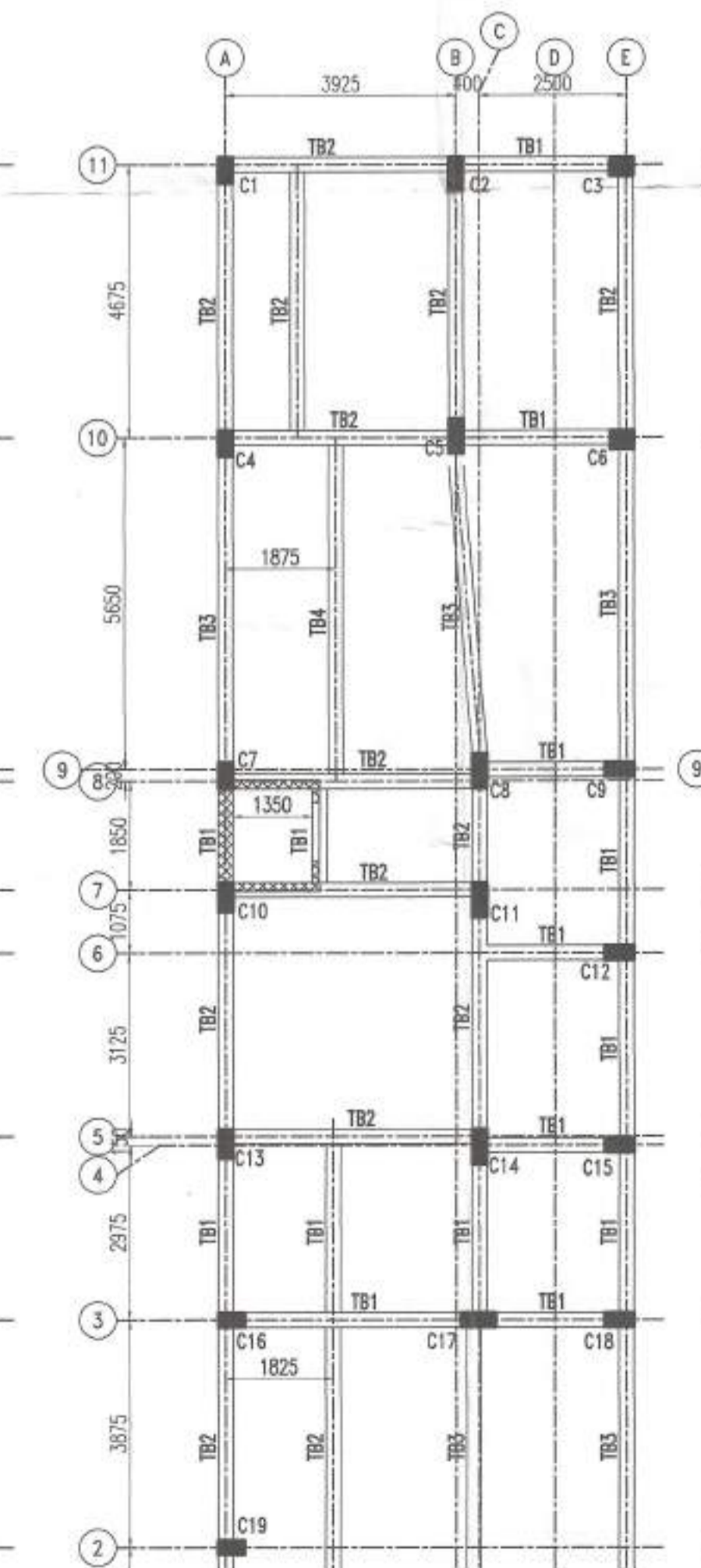
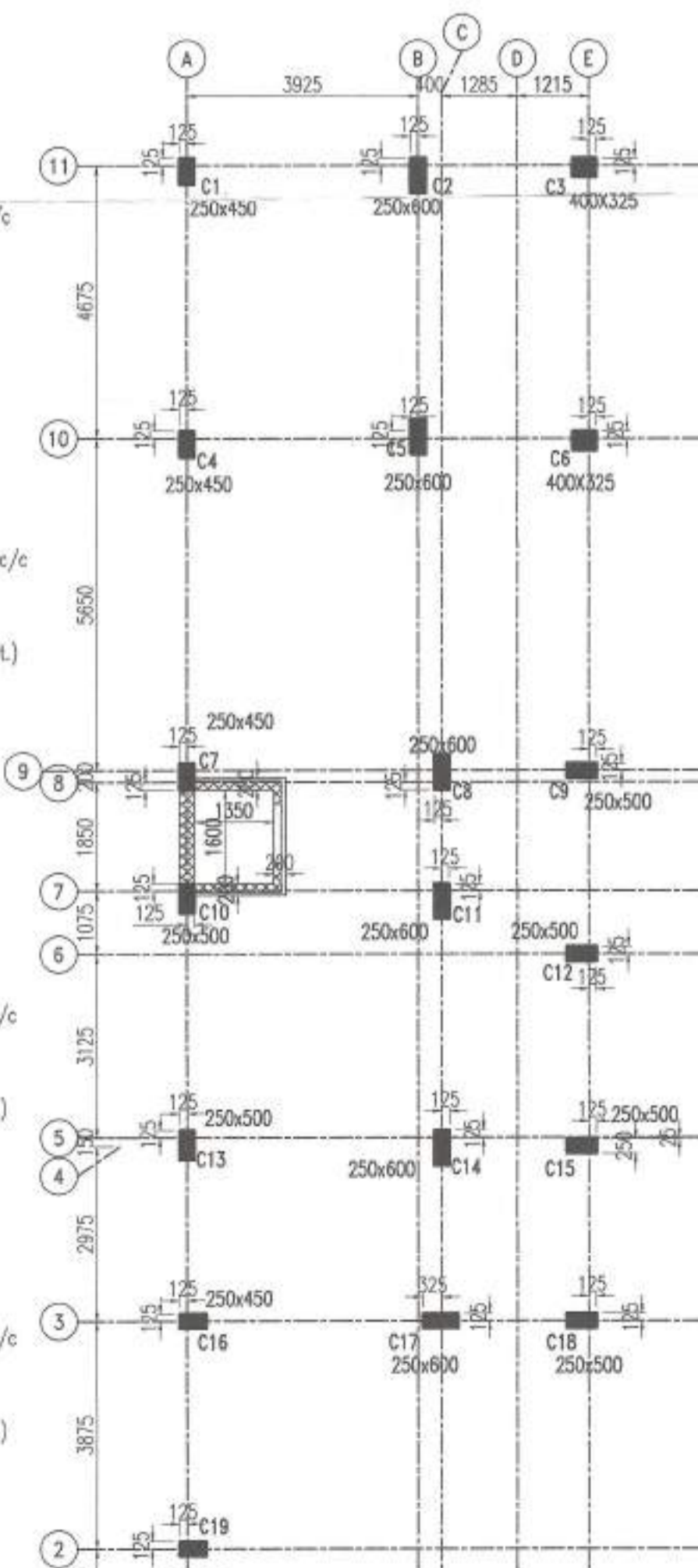
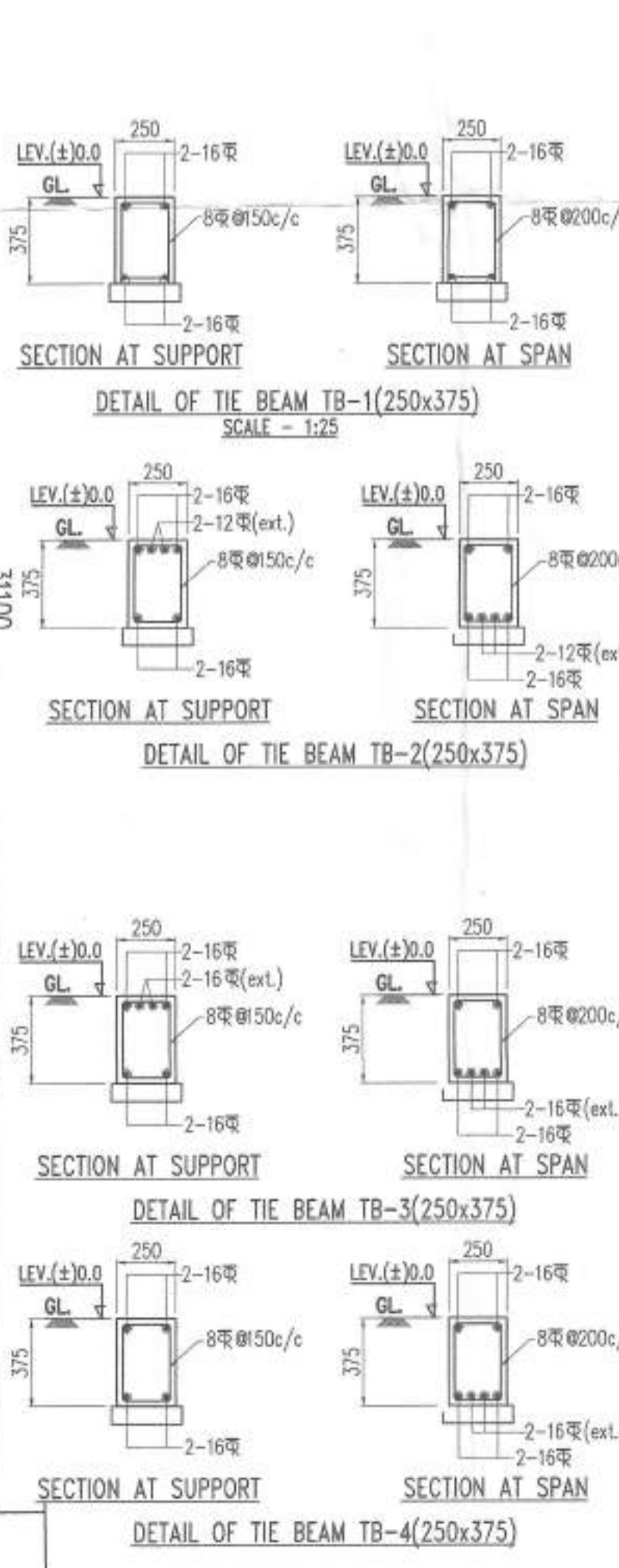
1) STIFFNER TO BE USED OF 12T BAR AT AN INTERVAL OF 1.2m CENTER TO CENTER.
2) CONCRETE TO BE FINISHED UP TO A LEVEL OF 600mm ABOVE CUT-OFF.



BEAM MKD.	SIZE OF BEAM	REINFORCEMENT					
		AT SUPPORT		AT SPAN		SUPPORT	SPAN
		TOP	BOTTOM	TOP	BOTTOM		
B1	250X600	3-20T+2-16T(ext)	3-16T	3-20T+2-16T(ext)	3-16T	8T@125C/C	8T@125C/C
B2	250X400	2-16T+2-16T(ext)	2-16T	2-16T	2-16T+2-16T(ext)	8T@150C/C	8T@200C/C
B3	250X400	2-20T+1-16T(ext)	2-16T	2-20T	2-16T+2-16T(ext)	8T@150C/C	8T@200C/C
B4	250X600	2-20T+1-20T(ext)+3-20T(ext)(D.L)	4-16T	2-20T+1-20T(ext)	4-16T	8T@150C/C	8T@200C/C
B5	250X600	2-20T+1-20T(ext)+3-20T(ext)(D.L)	4-16T	2-20T+1-20T(ext)	4-16T	8T@125C/C	8T@125C/C
B6	250X700	3-20T+3-20T(ext)(D.L)	4-16T	3-20T+3-20T(ext)(D.L)	4-16T	8T@125C/C	8T@125C/C
B7	250X400	2-16T	2-16T	2-16T	2-16T+2-16T(ext)	8T@150C/C	8T@200C/C
B8	250X700	3-20T+3-20T(ext)+2-20T(ext)(T.L)	3-20T	2-16T+2-20T(ext)	8T@150C/C	8T@200C/C	8T@200C/C
B9	250X700	3-20T+3-20T(ext)+2-20T(ext)(T.L)	3-20T	2-16T+2-20T(ext)	8T@110C/C	8T@110C/C	8T@110C/C
B10	250X600	2-20T	3-16T	2-20T	3-16T	8T@150C/C	8T@200C/C
B11	250X600	2-20T+1-20T(ext)+3-16T(ext)(D.L)	3-16T	2-20T	3-16T	8T@150C/C	8T@200C/C
B12	250X450	2-16T+2-16T(ext)(D.L)	3-16T	2-16T	3-16T+2-16T(ext)(D.L)	8T@150C/C	8T@200C/C
B12A	250X450	2-16T+2-16T(ext)(D.L)	3-16T	2-16T	3-16T+3-16T(ext)(D.L)	8T@150C/C	8T@200C/C
B13	250X450	2-16T+2-12T(ext)	3-16T	2-16T	2-16T+2-16T(ext)	8T@150C/C	8T@200C/C
B14	250X450	2-16T+2-16T(ext)	3-16T	2-16T	2-16T+2-16T(ext)	8T@150C/C	8T@200C/C
B15	250X600	2-16T+2-16T(ext)	3-16T	2-16T	2-16T+2-16T(ext)	8T@150C/C	8T@200C/C
BHL	250X400 RACKER BM	3-16T	3-16T	3-16T	3-16T	8T@150C/C	8T@200C/C



2ND TO ROOF	FDN. TO 2ND	COLUMN MARKED	C1, C4, C7, C16, C19	C2, C8, C14, C20	C10, C12, C13	C3	C5, C17	C15, C21	C11	C9, C18	C6
2-16T	8-16T	C1	4-16T+12T BT LINK / 200	12-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
4-16T+12T BT LINK / 200	8-16T	C4	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C7	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C16	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C19	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C2	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C8	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C14	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C20	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C10	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C12	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C13	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C3	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C5	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C17	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C15	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C21	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C11	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C9	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C18	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T
2-16T	8-16T	C6	4-20T	4-20T	10-16T	10-16T	8-20T+16T BT LINK / 200	10-16T	10-16T	12-16T	10-16T



IMPORTANT NOTES :-

- ALL DIMENSIONS AND LEVELS SHOWN IN THE DRAWING ARE IN MM AND SHOULD BE FOLLOWED AS SHOWN IN THE DRAWING.
- THE DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING AND ANY DISCREPANCY BETWEEN THE TWO SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCEMENT OF WORK.
- LEVELS IN THE DRAWING ARE SHOWN WITH REFERENCE TO EXISTING G.L. AT SITE WHICH HAS BEEN MARKED AS R.L. 1/-0.00
- THE DRAWINGS SHOULD BE STUDIED CAREFULLY AND ALL DIMENSIONS SHOWN HERE SHOULD BE CHECKED AT SITE. CLARIFICATION REGARDING DISCREPANCY IF ANY, SHOULD BE OBTAINED BEFORE COMMENCEMENT OF WORK.
- SPACER BAR USED SHALL BE OF 20mm. OR DIAMETER OF THE BAR USED IN THE JOB WHICH IS LARGER.
- STEEL TO BE USED SHOULD BE OF Fe-500 GRADE. REINFORCEMENT SHOULD BE WITH COLD TWISTED DEFORMED BARS CONFORMING TO IS - 1786 AND HAVE BEEN SHOWN AS 5E.
- CONCRETE SHOULD BE OF GRADE M20.
- CLEAR COVER FOR MAIN REINFORCEMENT UNLESS MENTIONED SHOULD BE AS BELOW :-
a) FOOTING - 75 MM
b) FLOOR BEAM - 25 MM
c) COLUMN - 40MM
- ANCHORAGE/LAP LENGTH SHOULD NOT BE LESS THAN 50 D FOR TENSION BAR AND 40 D FOR COMPRESSION BAR.
- WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

For B. C. ENTERPRISE
Pratibha
For B. C. ENTERPRISE
Pratibha
AS CONSTITUTED ATTORNEY FOR

CERTIFICATE OF GEO-TECHNICAL ENGINEER :
UNDESIGNED 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.

BHASKAR JYOTI ROY
B.C.E, M.I.E, M.I.G.S.
Chartered Engineer
The Kolkata Municipal Corpn.
Empainment No. - G/1/14
Empainment No. G.E./12/20 (R.S.M)
Empainment No. GTER/NDA/10/0030
Consulting Geotechnical Engineer

CERTIFICATE OF STRUCTURAL ENGINEER :
THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN PREPARED BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS.

SOIL TEST HAS BEEN DONE BY MGS BHASKAR JYOTI ROY OF TECHNO-SOIL OF F-25, C.I.T. MARKET, JADAVPUR, KOLKATA - 700 032 . THE RECOMMENDATION OF SOIL TEST HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION .

(BHASKARJYOTI ROY)
(ESE/1167)
SIGNATURE OF E.S.E.

Anjan Dutta
ANJAN DUTTA
B.Arch, M.Arch, M.I.A.
REGISTERED WITH COUNCIL OF ARCHITECTS
REGD. NO. GA/PS/545
APP. VALUER F-1397
MBC SL. NO. 287 (A)

(ANJAN DUTTA)
(CA/93/16409)
SIGNATURE OF ARCHITECT

OFFICE SEAL
PLAN OF A PROPOSED G+IV STORED RESIDENTIAL BUILDING AT PREMISES NO. :- 69, PARNASREE PALLY ROAD NO. - III, WARD NO :- 131, BOROUG NO :- XIV, UNDER K.M.C., P.S. - PARNASREE, DIST. :- 24, PARGANAS (SOUTH), KOLKATA -700060.

OWNER'S NAME :- SRI DEBABRATA JOARDAR.

STRUCTURAL SANCTION DRAWING
TITLE: FOUNDATION PLAN, STEEL PLAN, DETAIL OF FOUNDATION COLUMN AND STAIR, SCHEDULE OF FLOOR BEAM AND SLAB
DRAWN BY: M.R
CHECKED BY: B.ROY
APPROVED BY: B.ROY
DATE: 16.03.20
REV: 0
USED SCALE-1:100 and as noted

PARTY'S COPY

RESIDENTIAL BUILDING

DEVIATION WOULD MEAN DEMOLITION

Necessary steps should be taken for the safety of the lives of the adjoining public and private properties during construction.

THE SANCTION IS VALID UP TO 15.12.2020

Structural plan and design calculation as submitted by the structural engineer have been kept with B. P. No. 201940915. Data is kept for record of the Kulkarni Municipal Corporation 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 and private properties and safety of human life during construction.

Aswathi
Asst. Engineer/Technical Advisor / Executive Engineer
BOROUGH NO.- XIII, XIV

