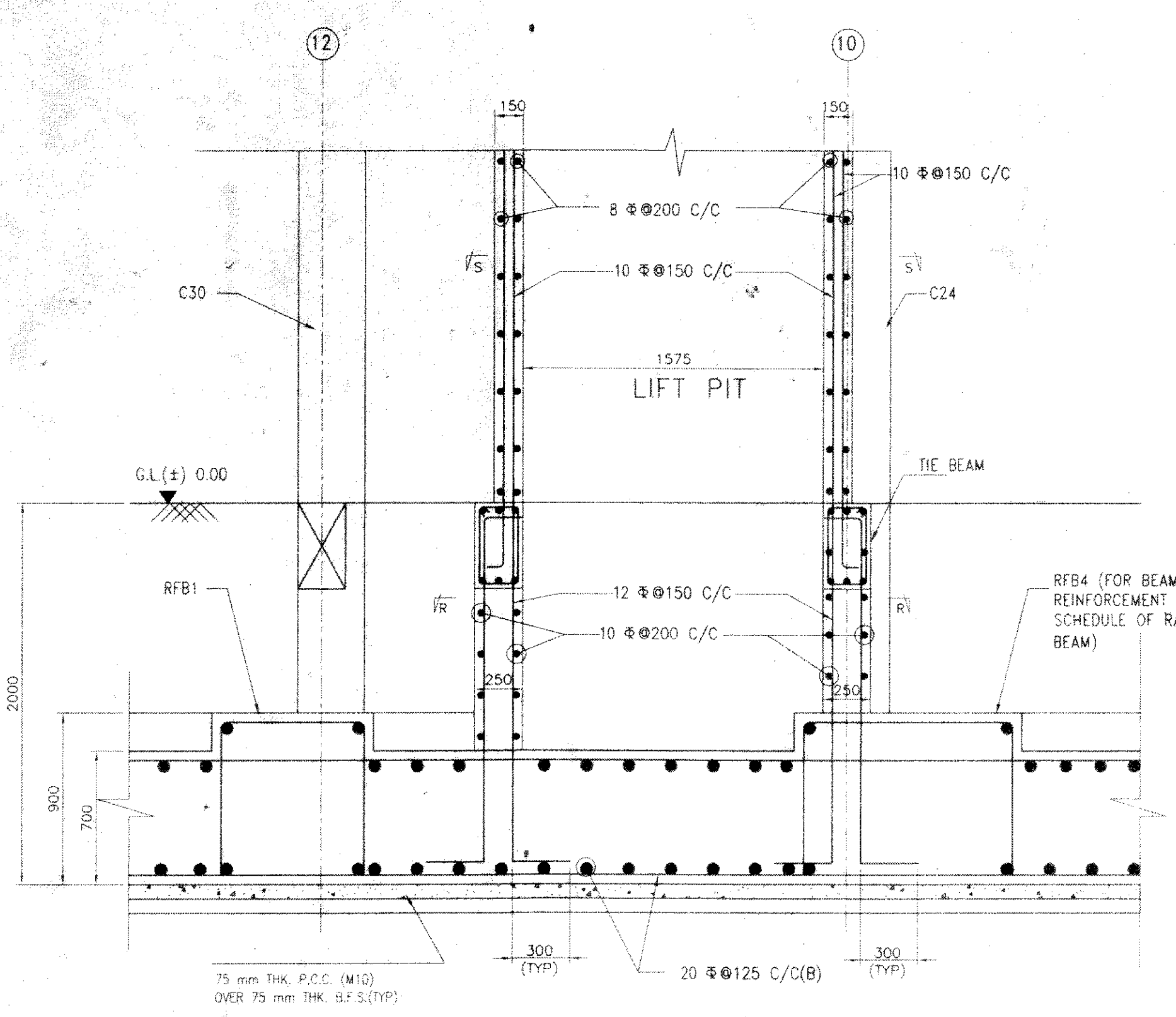
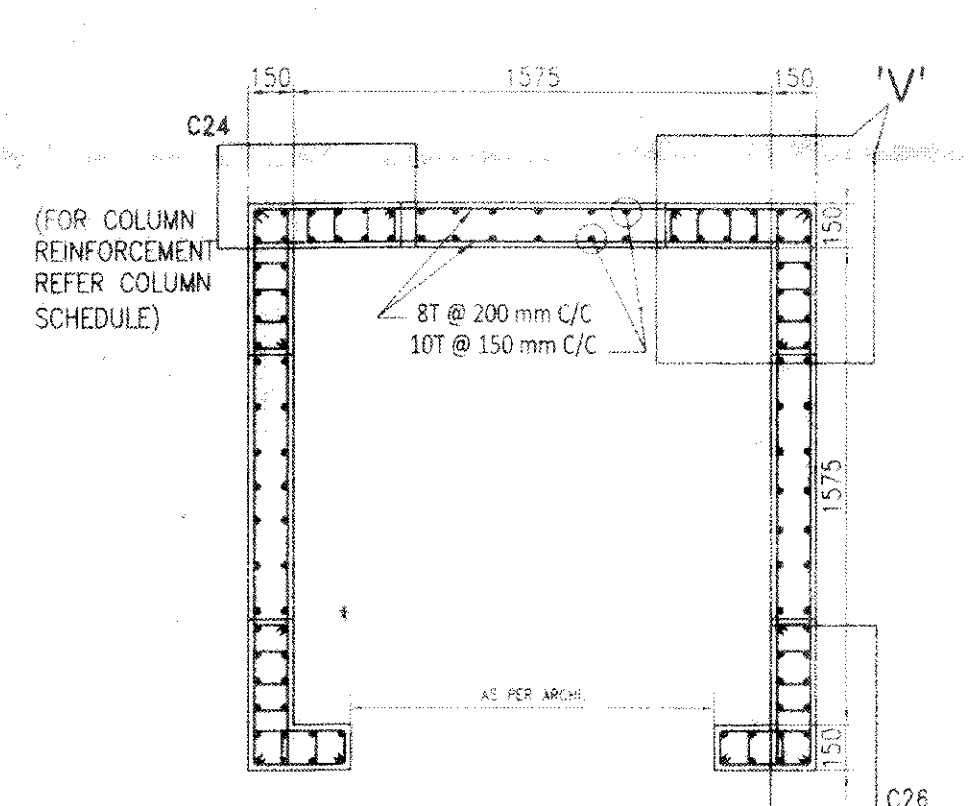


FOUNDATION LAYOUT PLAN
TOP OF RAFT SLAB AT (-)1.3 m LEVEL
RAFT SLAB 700 mm THK.
SCALE - 1:100

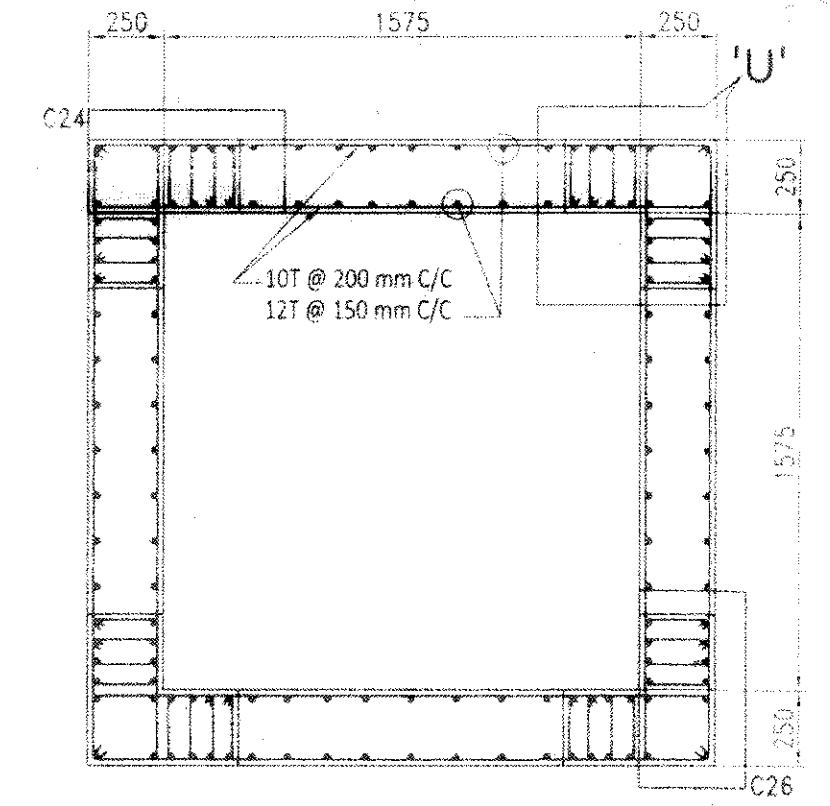
SCHEDULE OF RAFT SLAB					
SLAB	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RAFT SLAB	700	20 ϕ 125 C/C(T)	20 ϕ 125 C/C	20 ϕ 125 C/C	20 ϕ 125 C/C



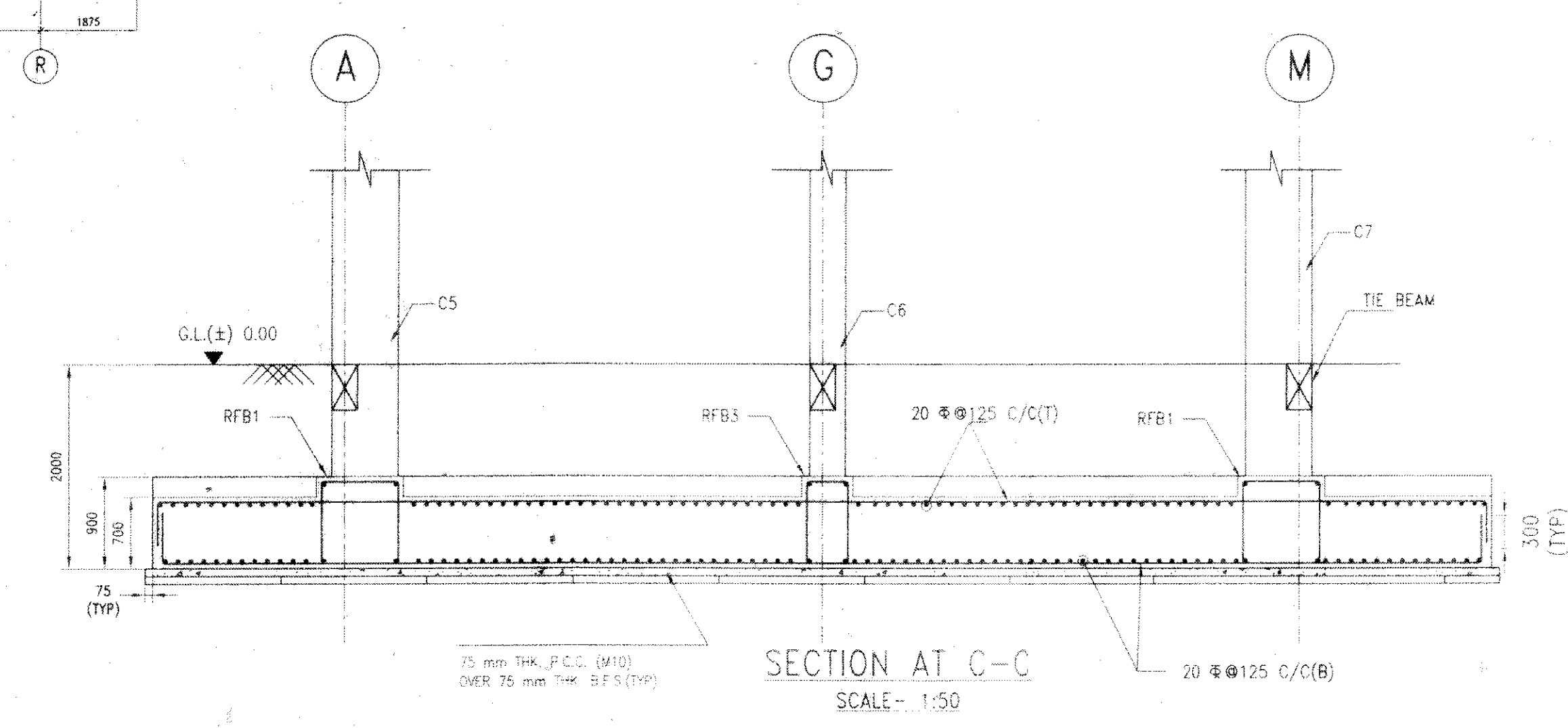
SECTION AT D-D
SCALE - 1:25



LIFT WALL PLAN AT FLOOR LEVEL
SECTION (S-S)
SCALE 1:25

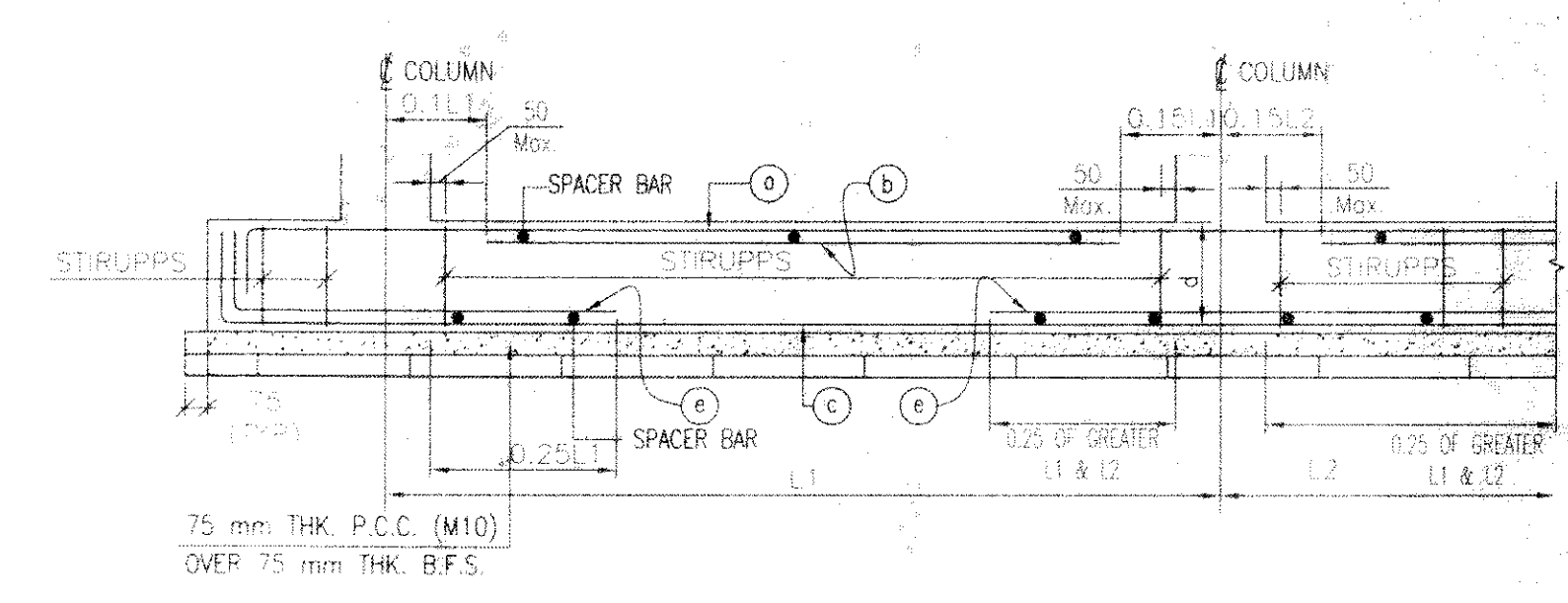


LIFT WALL PLAN AT BASE LEVEL
SECTION (R-R)
SCALE 1:25

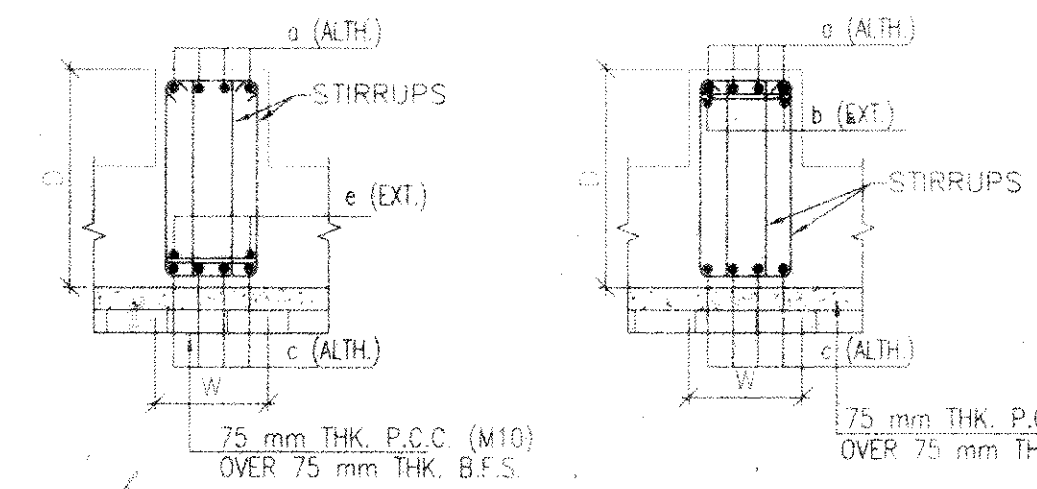


SECTION AT C-C
SCALE - 1:50

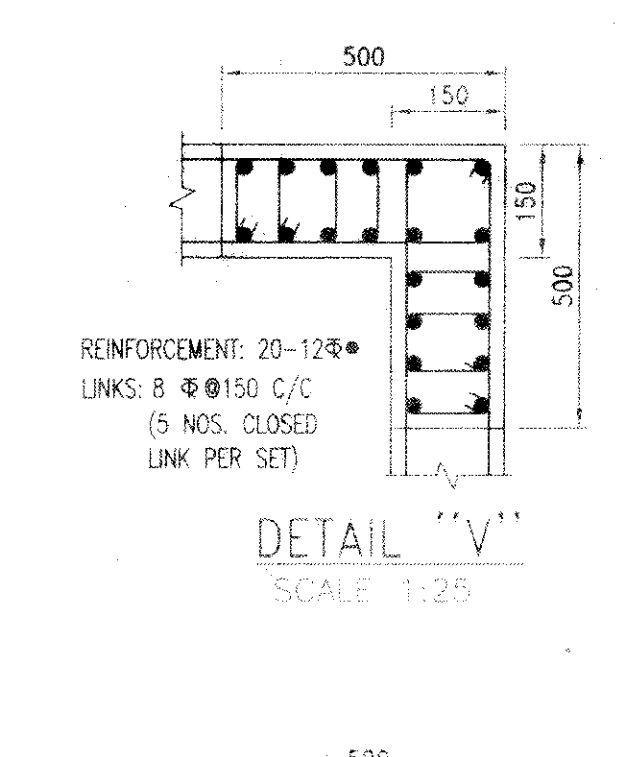
SCHEDULE OF RAFT BEAMS						
BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT	
	WIDTH (mm)	DEPTH (mm)	ALLTHROUGH	EXTRA AT SPAN	ALLTHROUGH	EXTRA AT SUPPORT
RFB1	850	900	8-20 ϕ +4-20 ϕ	4-16 ϕ	8-20 ϕ +4-20 ϕ	4-20 ϕ
RFB2	1000	900	9-20 ϕ	5-16 ϕ	2-25 ϕ +7-20 ϕ	9-20 ϕ
RFB3	500	900	6-20 ϕ	6-16 ϕ	6-20 ϕ	4-10 ϕ
RFB4	1200	900	5-20 ϕ +5-16 ϕ	4-16 ϕ	10-25 ϕ	10-20 ϕ



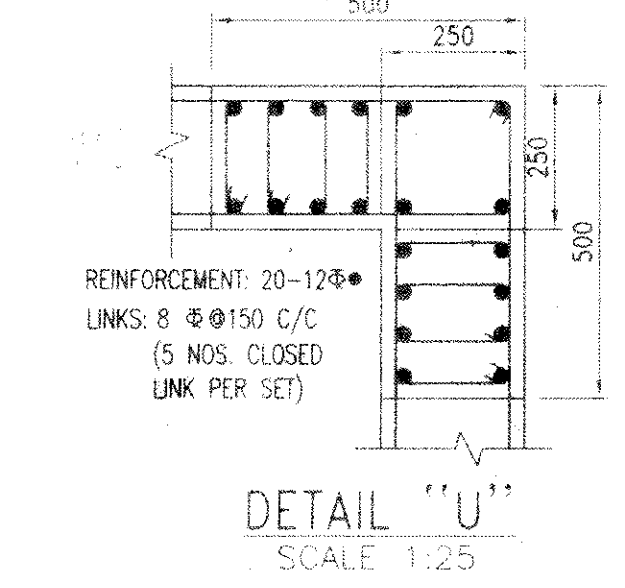
TYPICAL ARRANGEMENT OF REINFORCEMENT IN FOUNDATION BEAM
(AS PER SP 34-1987)



TYPICAL CROSS SECTION OF RAFT BEAM
SCALE - N.T.S.



DETAIL 'V'
SCALE 1:25



DETAIL 'U'
SCALE 1:25

SPECIAL NOTES:

- THIS STRUCTURAL DRAWING IS VALID IF THE ARCHITECTURAL DRAWING IS FOLLOWED USING 250 mm THICK AAC BLOCKS IN EXTERNAL WALLS & 125 mm THICK AAC BLOCKS IN INTERNAL WALL.
- THE NET SAFE BEARING CAPACITIES FOR RAFT FOOTING (OF SIZE SHOWN IN FOUNDATION LAYOUT) AT DEPTH (-)2.0 m FROM G.L. HAS BEEN CONSIDERED AS 11.5 T/Sqm ON THE BASIS OF SOIL REPORT PREPARED BY Mr. ASIM SARKAR (ASSOCIATED FOUNDATION ENGINEERS). THIS CAPACITY MUST BE CONFIRMED BY THE GEO-TECHNICAL ENGINEER BEFORE EXECUTION. THIS DESIGN WILL BE VALID ONLY AFTER SUCH CONFIRMATION.

NOTES:-

- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
- ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER, EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS. AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH).
- ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
- ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
- ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
- UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH=50 \times BAR DIA.
- UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T @ 250 C/C.
- CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
i) RAFT BEAM : 50 mm
ii) RAFT SLAB : 50 mm
iii) LIFT SHEAR WALL : 20 mm
- GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M30 AS PER IS: 456-2000.
- DEVELOPMENT LENGTH 500D FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34-1987.
- WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 50D IN THE SUPPORTING MEMBER.
- THE NET SAFE BEARING CAPACITIES FOR RAFT FOOTING (OF SIZE SHOWN IN FOUNDATION LAYOUT) AT DEPTH (-)2.0 m FROM G.L. HAS BEEN CONSIDERED AS 11.5 T/Sqm ON THE BASIS OF SOIL REPORT PREPARED BY Mr. ASIM SARKAR (ASSOCIATED FOUNDATION ENGINEERS). THIS CAPACITY MUST BE CONFIRMED BY THE GEO-TECHNICAL ENGINEER BEFORE EXECUTION. THIS DESIGN WILL BE VALID ONLY AFTER SUCH CONFIRMATION.

TITLE

PROPOSED STRUCTURAL DRAWING OF G+8 STORED APARTMENT CUM COMMERCIAL BUILDING FOR "M/S BANERJEE BUILDERS" OVER L.R. PLOT NO.- 2133, L.R. KHATIAN NO. - 680/1, 1127 OF MOUZA- ARRAH, J.L. NO.- 091, P.S.- KANKSA, DIST- PASCHIM BARDHAMAN.

CERTIFICATE OF STRUCTURAL ENGINEER

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.

Dispanjan Mani 11/02/19
DISPANJAN MANI
CIVIL ENGINEER (B. TECH)
P.A.K.A.D.I.T (WB.U.T.)

CERTIFICATE OF ARCHITECT/ENGINEER

I DO HEREBY CONFIRM AND CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME KEEPING THE PROVISION OF NBC OF INDIA AND CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECT.

VIJAYA SINGH
CONSULTING ARCHITECT
DMC REGISTERED
LIC NO. - DMC/BPD/60

SIGNATURE OF GEOTECHNICAL ENGINEER

THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT.

ASIM SARKAR
B.C.E., M.T.E., M.S.E.S
ENGINEER-IN-CHARGE
K.M.C. NO. : CLASS-1/2

SIGNATURE OF THE VETTING AUTHORITY

CHECKED & VETTED

DR. DIPANKAR CHAKRABORTY
PROFESSOR & HEAD OF CIVIL ENGINEERING DEPARTMENT
ADARSH UNIVERSITY
KOLKATA-700015
E-MAIL : CHAKRABORTY@ADARSHUNIV.EDU
TELEPHONE : 9830211111

CERTIFICATE OF OWNER

THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN. THIS IS CERTIFIED THAT I HAVE GONE THROUGH THE NBC OF INDIA AND ALSO ABIDE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.

Approved with Memo No - 513/DB/PSB/2019 Dated - 22/11/19
Maha dev Choudhary
District Engineer, Paschim Bardhaman
Bardhaman, West Bengal.

DRAWING TITLE

FOUNDATION LAYOUT PLAN & REINFORCEMENT SCHEDULE, REINFORCEMENT DETAILS OF LIFT.

SCALE - 1:100 OR AS SHOWN
DATE - 11.02.2019
SHEET NO. - 1 OF 3

APPROVED
Pradnan Pradhan
Malandighi Gram Panchayat