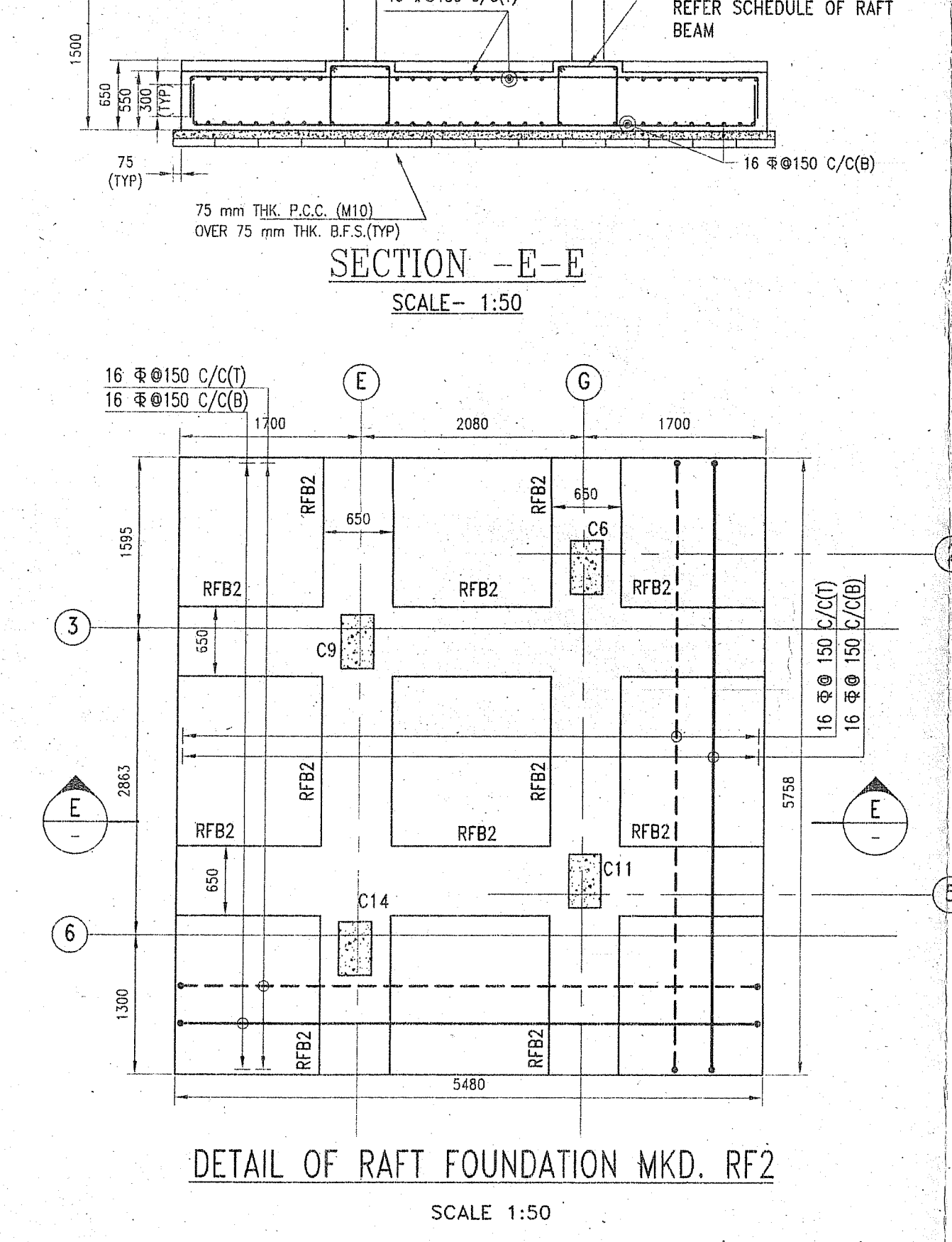
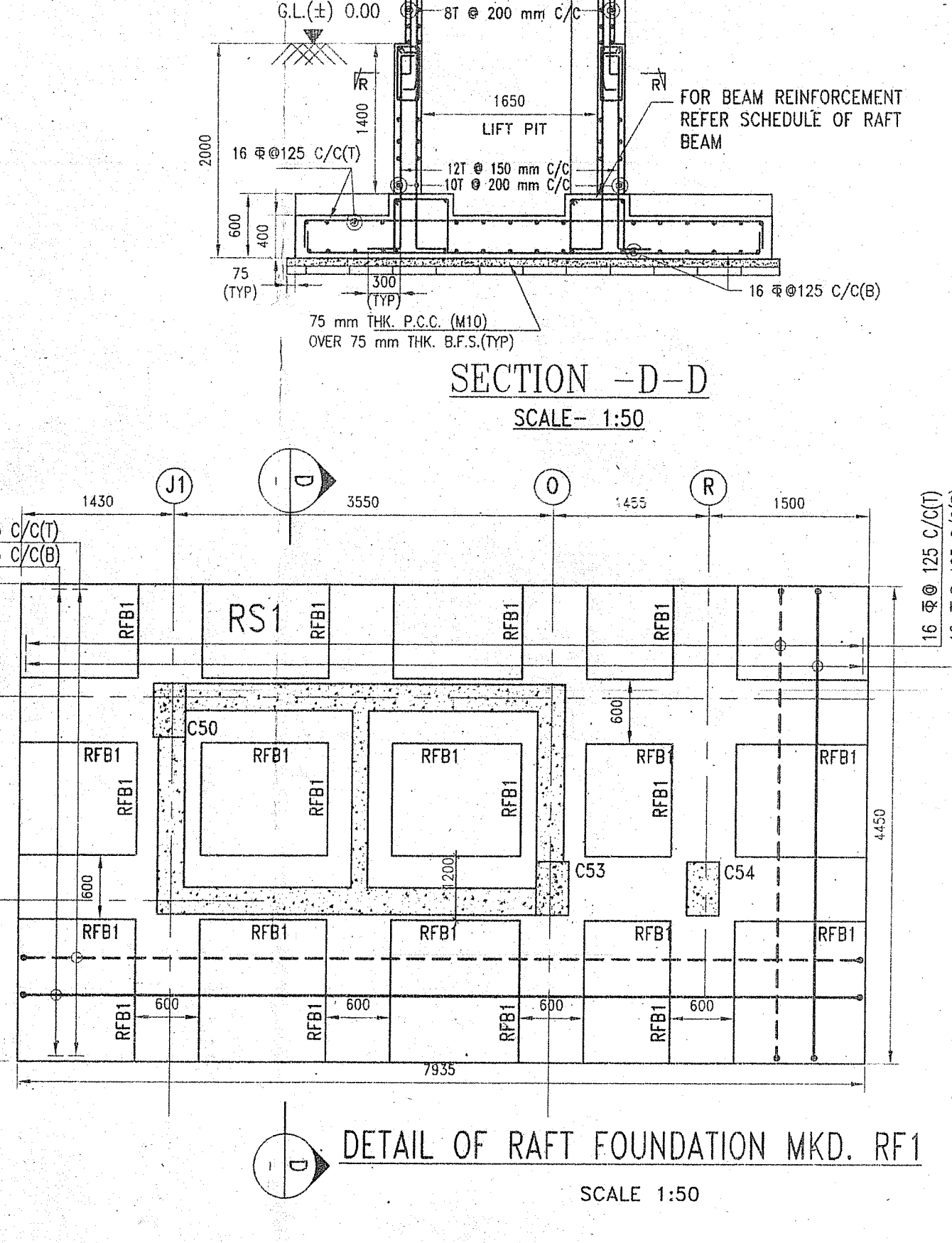
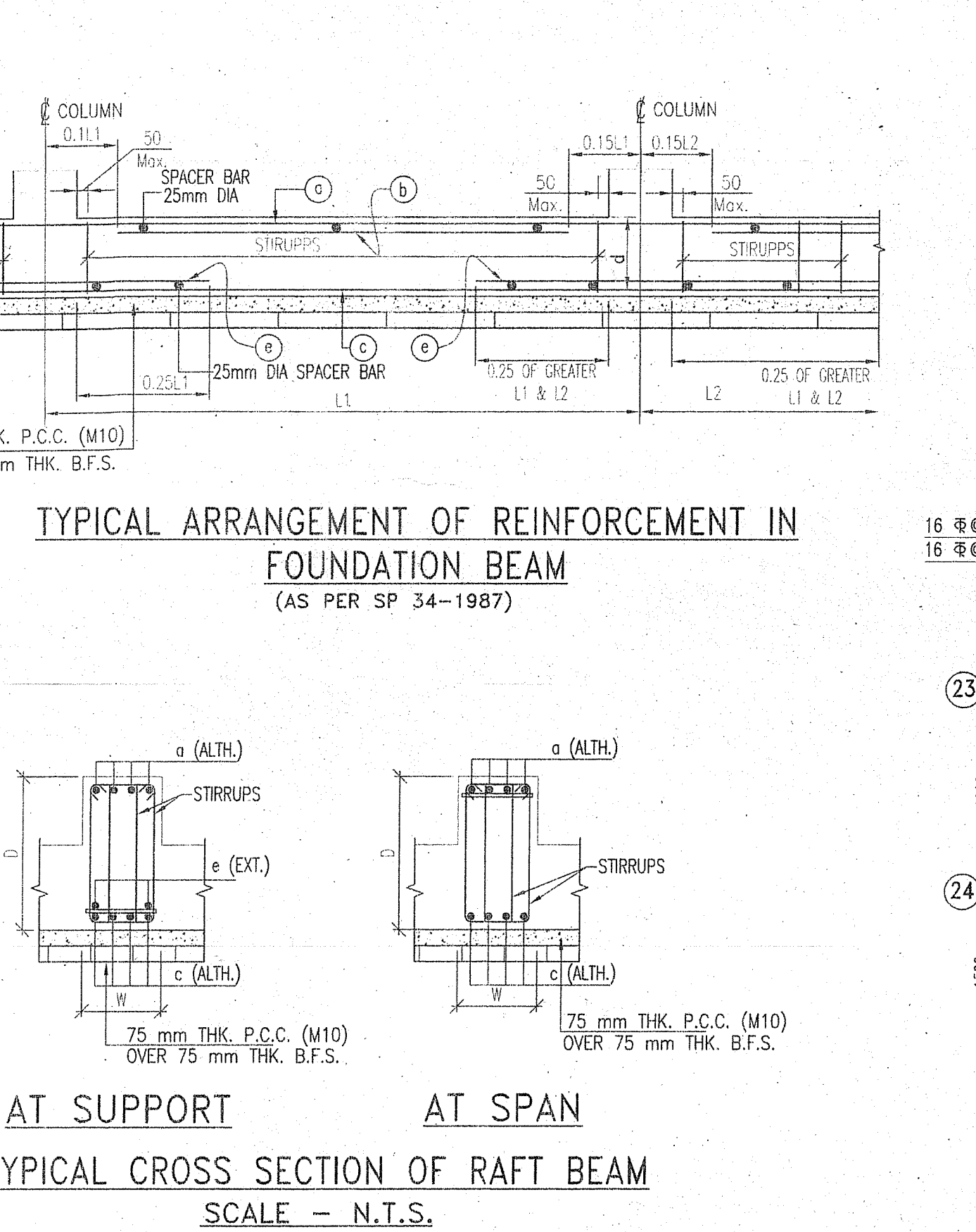
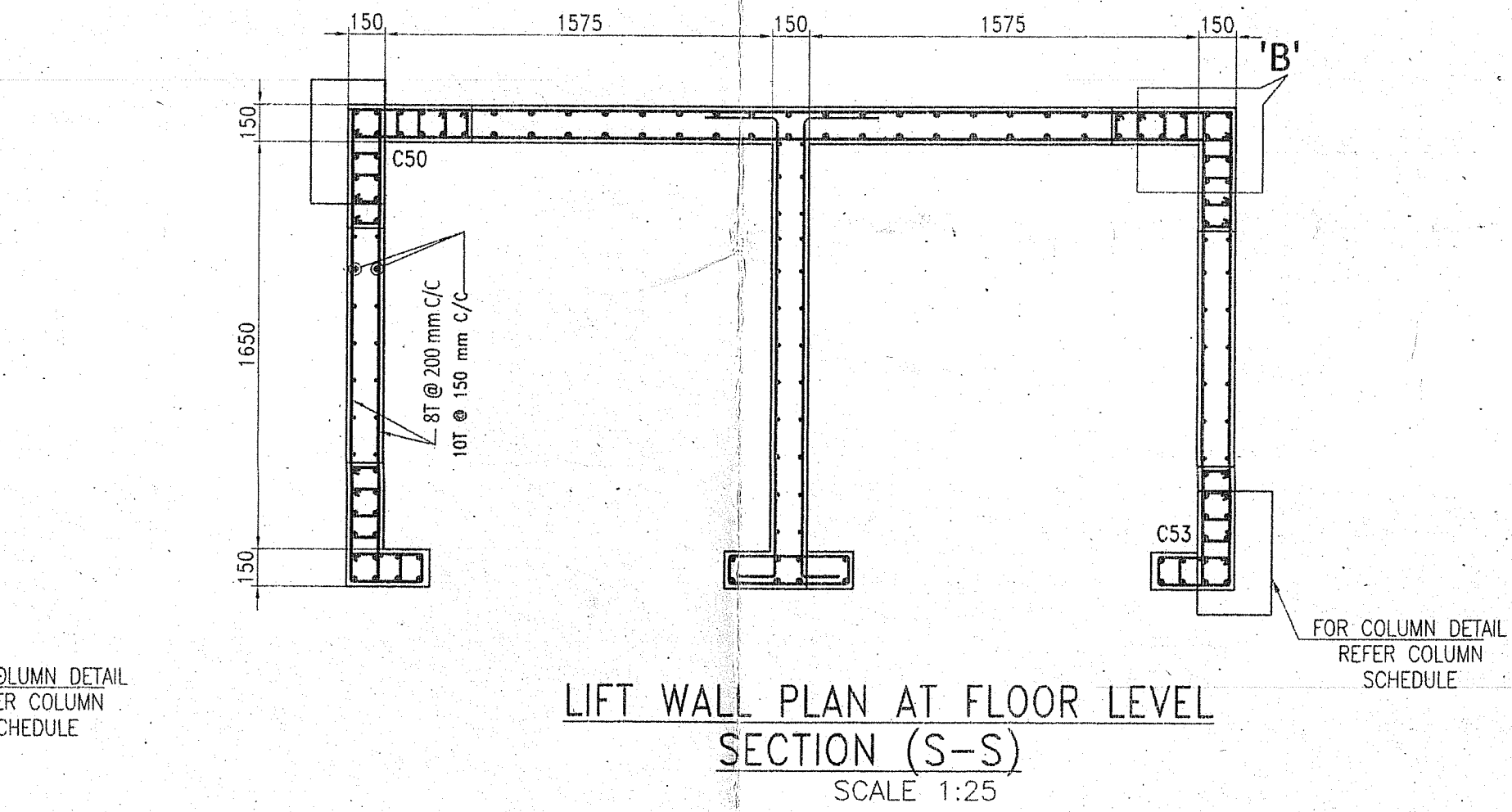
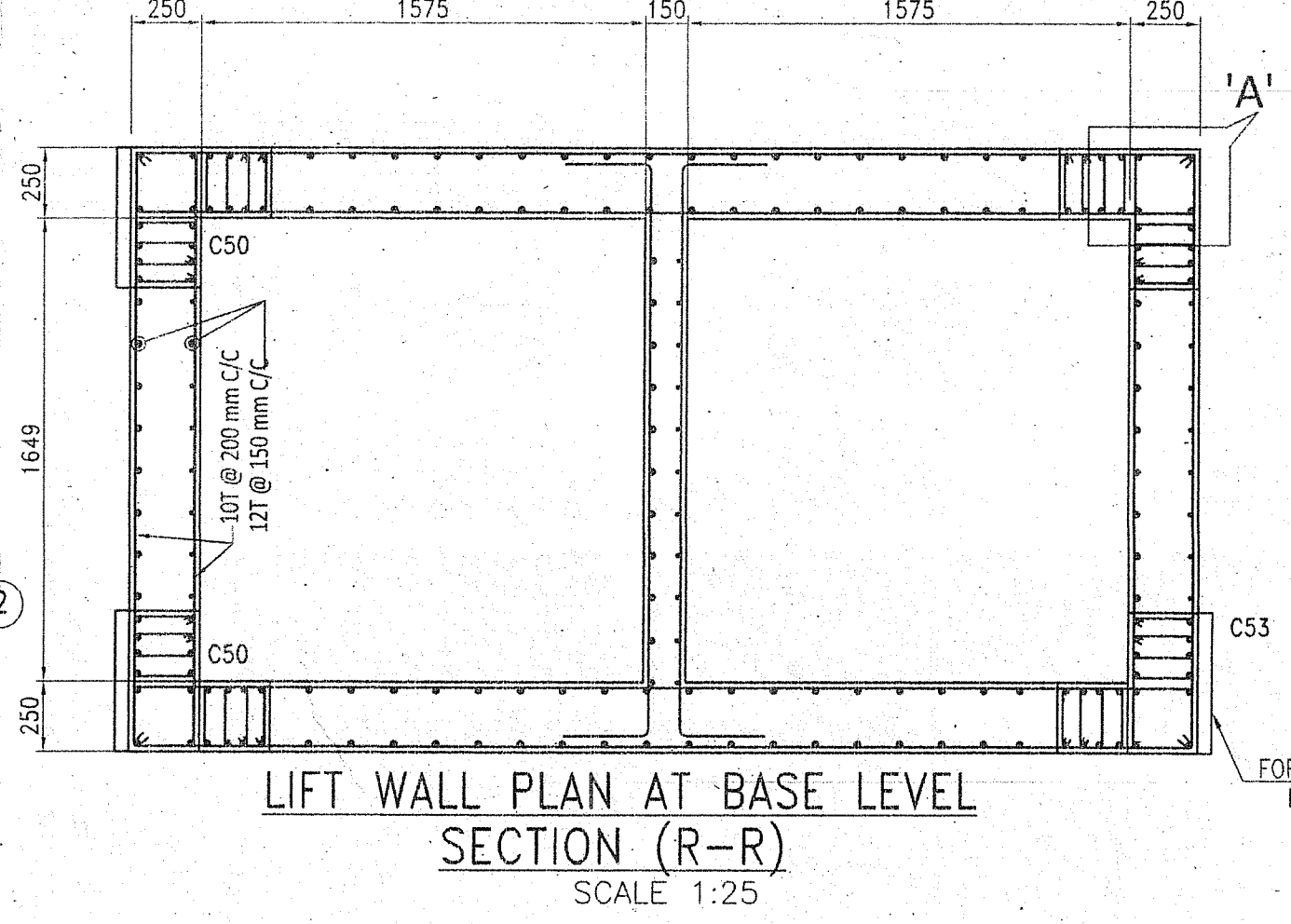
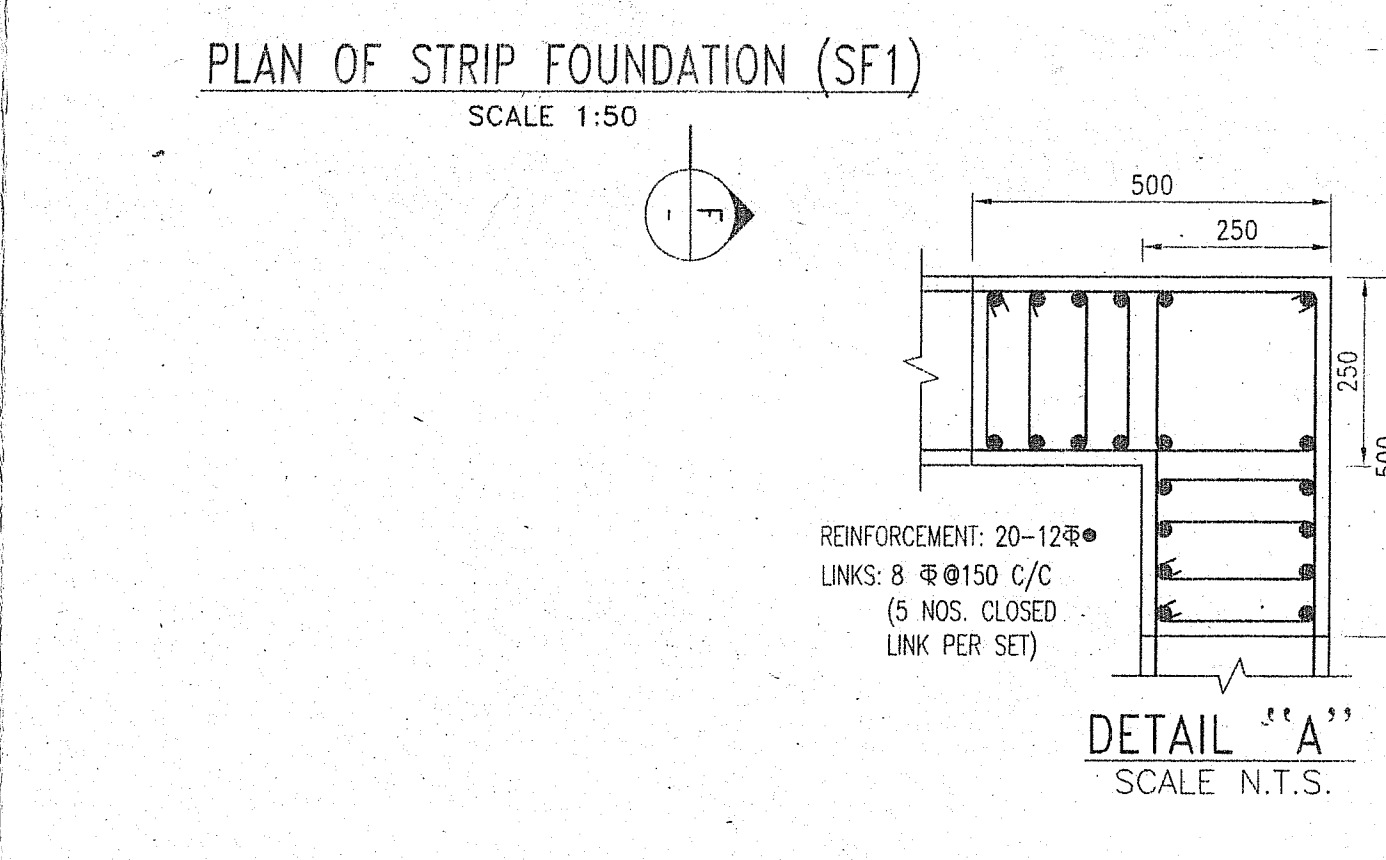
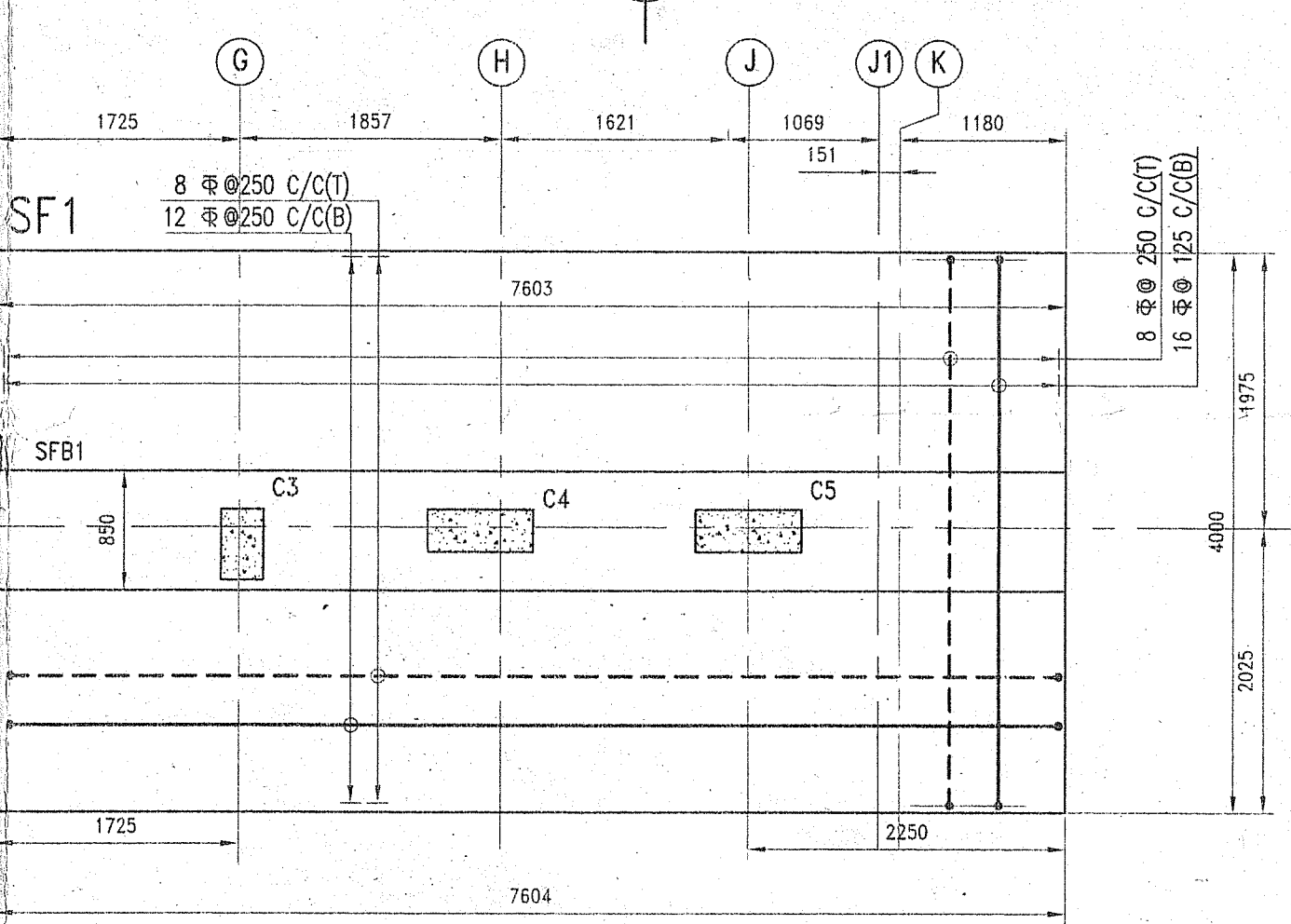


UNDER COLUMNS MARKED	FOUNDATION MARKED	NUMBER	FOUNDATION SIZE				FOUNDATION REINFORCEMENT DETAIL			
			LENGTH (L)	WIDTH (W)	THICKNESS (D1)	DEPTH (D2)	ALONG SHORT DIRECTION	ALONG LONG DIRECTION	ALONG SHORT DIRECTION	ALONG LONG DIRECTION
C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13	01 to 13	2.0 to 3.5	2.6 to 3.0	550 to 550	300 to 1500	16 #125 C/C, 16 #100 C/C, 16 #200 C/C, 16 #250 C/C	16 #125 C/C, 16 #100 C/C, 16 #200 C/C, 16 #250 C/C	8 #250 C/C, 8 #250 C/C, 8 #250 C/C, 8 #250 C/C	8 #250 C/C, 8 #250 C/C, 8 #250 C/C, 8 #250 C/C

BEAM MARKED	BEAM SIZE (W x D)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS
		ALONG SHORT DIRECTION	ALONG LONG DIRECTION	ALONG SHORT DIRECTION	ALONG LONG DIRECTION	
RFB1	650 x 650	7-20 #	6-25 #	6-20 #	6-20 #	4L-10 #150 C/C
RFB2	650 x 650	7-20 #	7-20 #	7-16 #	7-16 #	4L-10 #150 C/C
SF1	650 x 650	7-20 #	7-25 #	4-20 #	4-20 #	4L-10 #150 C/C

SLAB MKD	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RS1	400	16 #125 C/C	16 #125 C/C	16 #125 C/C	16 #125 C/C
RS2	500	16 #150 C/C	16 #150 C/C	16 #150 C/C	16 #150 C/C
SF1	550	16 #125 C/C	8 #250 C/C	12 #250 C/C	8 #250 C/C

TYPE OF FOUNDATION	SIZE	NET SAFE BEARING CAPACITY (T/W)	
			NET SAFE BEARING CAPACITY (T/W)
ISOLATED	2.6m x 2.6m	15.7	
	3.0m x 3.0m	15.0	
	3.0m x 2.0m	15.0	
	4.25m x 2.6m	15.2	
	3.5m x 2.25m	15.0	
	3.5m x 2.2m	15.0	
	2.9m x 2.2m	16.0	
	2.9m x 2.3m	16.2	
	2.4m x 2.4m	15.7	
	2.8m x 2.8m	15.4	
COMBINED	3.3m x 2.8m	15.0	
	3.3m x 2.6m	15.0	
	3.0m x 2.7m	15.2	
	4.0m x 3.0m	14.0	
	2.9m x 2.0m	15.7	
	3.5m x 2.3m	14.5	
	3.0m WIDE	10.5	
	2.64m WIDE	12.0	
	STRIP	4.0m WIDE	9.8
	RAFT	4.45m x 7.935m	11.8
	5.48m x 5.758m	11.5	



FOUNDATION MARKED	NUMBER	FOUNDATION SIZE				FOUNDATION REINFORCEMENT DETAILS				FOUNDATION BEAM SIZE			FOUNDATION BEAM REINFORCEMENT DETAIL		
		LENGTH (L)	WIDTH (W)	THICKNESS (T)	DEPTH (D)	ALONG SHORT DIRECTION	ALONG LONG DIRECTION	ALONG SHORT DIRECTION	ALONG LONG DIRECTION	LENGTH (L)	WIDTH (W)	THICKNESS (T)	BOTTOM REINFORCEMENT	TOP REINFORCEMENT	STIRRUPS SPACING (mm)
CF1	01	4120	3000	550	2000	16 #150 C/C	12 #250 C/C	8 #250 C/C	8 #250 C/C	4120	650	650	6-20 #	6-16 #	4L-10 #200 C/C
CF2	01	5119	3000	400	2000	16 #125 C/C	12 #250 C/C	8 #250 C/C	8 #250 C/C	5119	500	600	5-25 #	5-20 #	4L-10 #200 C/C
CF3	01	3950	2640	400	2000	16 #200 C/C	12 #250 C/C	8 #250 C/C	8 #250 C/C	3950	650	600	7-20 #	7-16 #	7-20 #

- 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). HOWEVER ARCHITECTURAL DRAWINGS TO BE COORDINATED FOR ALL EXECUTION OF WORK.
 - 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 #500/50D CONFORMING TO IS-2266-2008.
 - ADAPTED CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
 - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE DEVELOPMENT LENGTH x BAR DIA.
 - UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 # @ 250 C/C.
 - CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
 - RAFT BEAM 50 MM
 - RAFT SLAB 50 MM
 - LIFT SHEAR WALL = 20 MM.
 - FOUNDATION SLAB AND BEAM = 50 MM.
 - GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS: 456-2000.
 - DEVELOPMENT LENGTH SHOULD BE AS PER IS: 456-2000.
 - THE NET SAFE BEARING CAPACITIES FOR ALL FOOTINGS AT DEPTH (L) SHALL BE FROM G.L. HAVE BEEN TABULATED IN THIS SHEET ON THE BASIS OF SOIL REPORT PREPARED BY CREATIVE STATICAL CONCERN. THIS MUST BE ENSURED AT SITE.
 - THE 'N' VALUE AS DESCRIBED UNDER NOTES OF TABLE-1 OF IS-1893 (PART-1)-2016 SHOULD BE ENSURED TO BE GREATER THAN 15.

TITLE
 STRUCTURAL DRAWINGS OF PROPOSED G+7
 STORIED APARTMENT BUILDING OF "NABAUDYOG
 ENTERPRISE" OVER PLOT NO. - 2063, 2064, 2065,
 2066, 2067 & 2068(P), MOUZA- ARRAH, J.L.
 NO.- 91, KHATAN NO. - 4514, 4515, 4516, 406,
 4508, 4509, 4510, 191, 4511, 4512, 4513, 1461,
 4549, 4548 P.S.- KANSA, DIST. -PASHCHIM
 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.

DR. DIPANKAR CHAKRABORTY
 Professor, Civil Engineering Department,
 Jadavpur University, Kolkata-700032
 B.E. (I.T.I.) - Gold Medalist
 M. Tech (I.T.K.P.) - Gold Medalist
 Ph.D. (I.I.T.K.P.)
 R.2444677 + 91-2444943 + 44-98181892

CERTIFICATE OF ARCHITECT/ENGINEER
 I DO HEREBY CONFIRM AND CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME, KEEPING IN VIEW THE PROVISION OF INC. OF INDIA AND ALSO MADE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.

DECLARATION OF GEOTECHNICAL ENGINEER
 THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT

CERTIFICATE OF OWNERS
 THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN, THE I HAVE GIVEN THROUGH THE INC. OF INDIA AND ALSO MADE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.

Approved vide district Engineer's permission
 Bardhaman zilla parishad Mamans - D.B./PS/24/19
 264 dt-2019/19

APPROVED
 Panchayat Pradhan
 Mamans Gram Panchayat

DRAWING TITLE
 FOUNDATION LAYOUT PLAN & REINFORCEMENT
 SCHEDULE

SCALE: 1:100 OR AS SHOWN
 DATE: 27.07.2018
 SHEET NO. - 1 OF 4