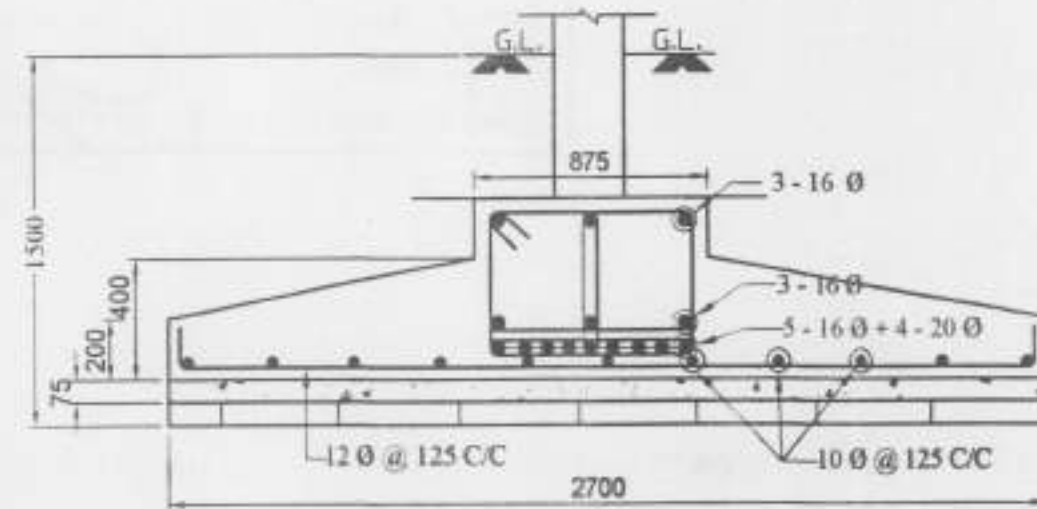


BEAM SCHEDULE

TYPE OF BEAM	BEAM S.L. NO.	BEAM MKD.	END SUPPORT		INTERIOR SUPPORT		END SPAN		INTERIOR SPAN		STIRRUPS
			TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	
			1	B1	250 x 450	4 - 16 Ø	2 - 16 Ø	-	-	2 - 16 Ø	
2	B2	250 x 450	3 - 20 Ø + 2 - 16 Ø (D.L.)	2 - 20 Ø	3 - 20 Ø + 3 - 20 Ø (D.L.)	3 - 20 Ø	2 - 20 Ø	3 - 20 Ø + 3 - 16 Ø (D.L.)	2 - 20 Ø	3 - 20 Ø	8 Ø (2L) @ 100 TO 150 CC
3	B3	250 x 500	2 - 16 Ø + 2 - 20 Ø + 2 - 16 Ø (D.L.)	2 - 20 Ø	-	-	2 - 16 Ø + 1 - 20 Ø	4 - 20 Ø	-	-	8 Ø (2L) @ 100 TO 150 CC
4	B4	250 x 450	4 - 16 Ø	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø + 3 - 16 Ø	4 - 16 Ø	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø	2 - 16 Ø	4 - 16 Ø	8 Ø (2L) @ 150 TO 200 CC
5	B5	250 x 450	4 - 16 Ø	2 - 16 Ø	-	-	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø	-	-	8 Ø (2L) @ 125 TO 175 CC
6	B6	250 x 450	3 - 20 Ø + 2 - 16 Ø (D.L.)	2 - 16 Ø	3 - 20 Ø + 2 - 16 Ø (D.L.)	2 - 16 Ø + 2 - 20 Ø	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø + 2 - 16 Ø (D.L.)	2 - 20 Ø	2 - 16 Ø + 2 - 20 Ø	8 Ø (2L) @ 125 TO 175 CC
7	B7	250 x 450	4 - 16 Ø	2 - 20 Ø	-	-	2 - 16 Ø	4 - 20 Ø	-	-	8 Ø (2L) @ 100 TO 150 CC
7	B8	250 x 450	2 - 16 Ø + 2 - 20 Ø + 2 - 16 Ø (D.L.)	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø + 3 - 16 Ø (D.L.)	2 - 16 Ø + 2 - 20 Ø	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø + 3 - 16 Ø (D.L.)	-	-	8 Ø (2L) @ 100 TO 150 CC

SCHEDULE OF FOUNDATION

SL. NO.	FDN MKD.	BASE WIDTH / FDN. SIZE	SLAB DEPTH	SLAB RE-INFORCEMENT	
				MAIN	DIST.
1.	F1	2700	200 TO 400	12 Ø @ 125 CC	10 Ø @ 125 CC
2.	F2	3750	250 TO 500	16 Ø @ 150 CC	12 Ø @ 150 CC
3.	F3	3000	200 TO 450	12 Ø @ 125 CC	10 Ø @ 125 CC
4.	F4	2750	200 TO 400	10 Ø @ 125 CC	10 Ø @ 175 CC



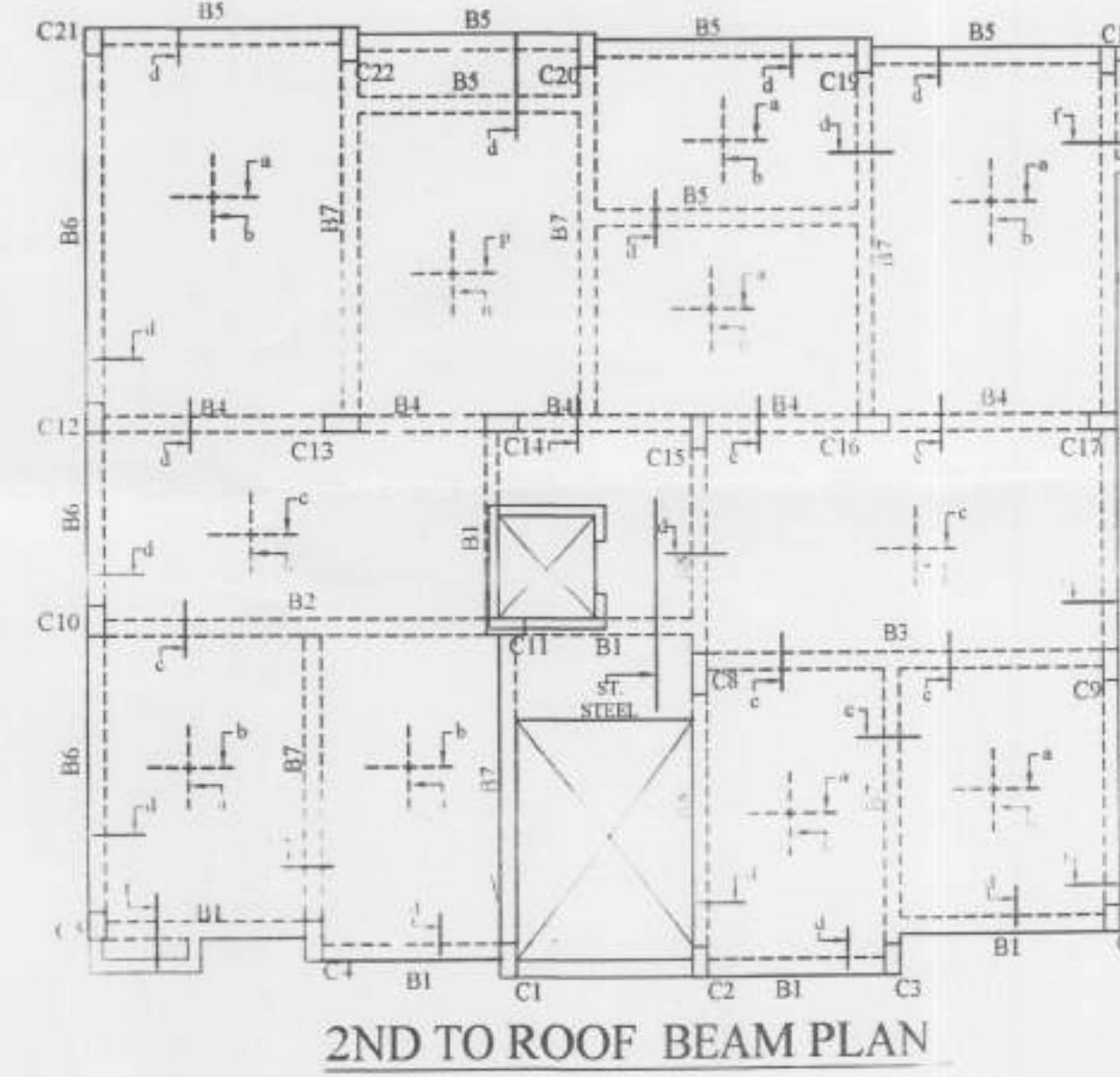
DETAILS OF FOUNDATION MKD. F1

COLUMN SCHEDULE

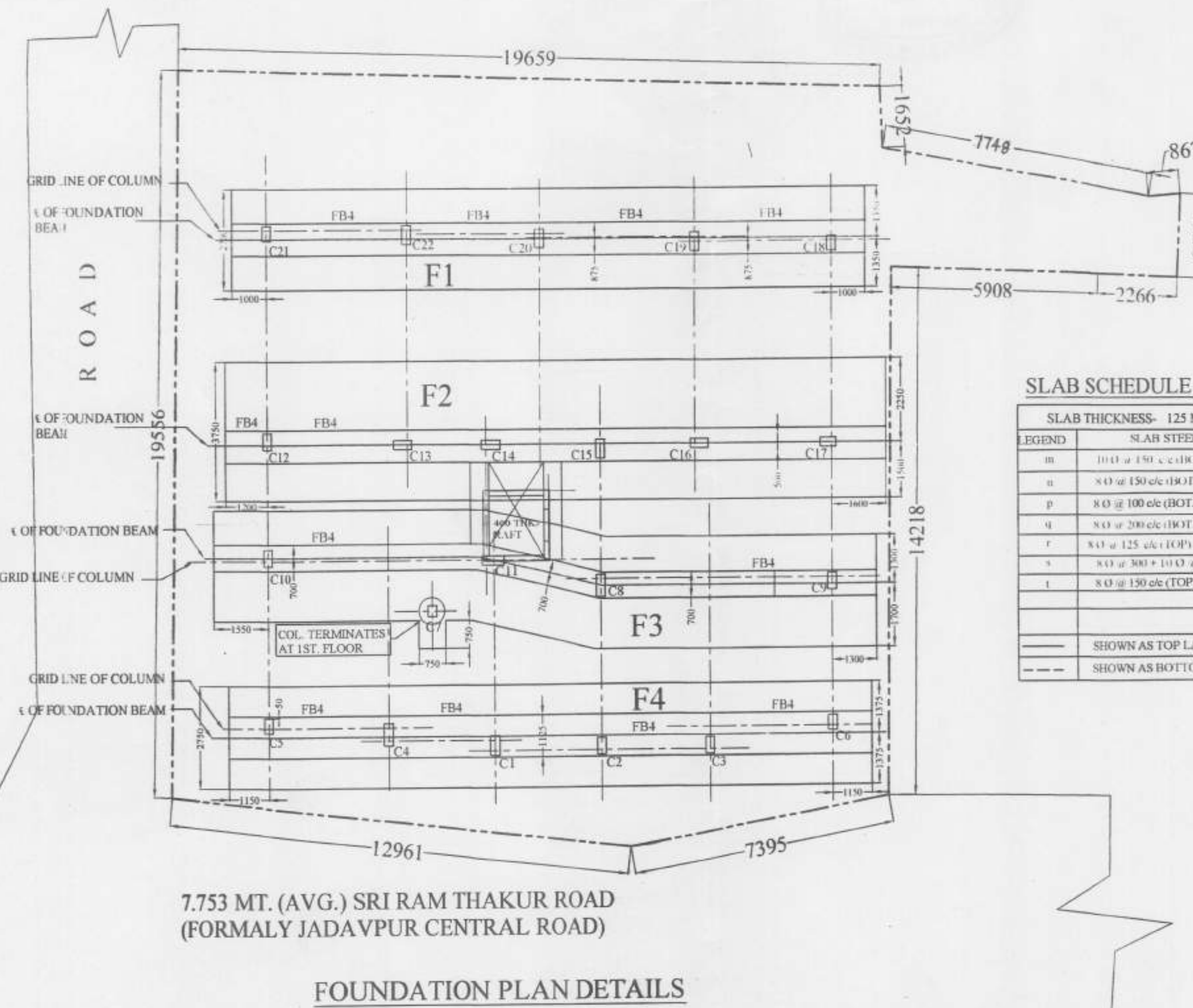
GROUP MKD.	COLUMN MARKED	COLUMN SECTION	COLUMN REINFORCEMENT			LINKS
			GROUND TO 1ST. FL. LVL.	1ST. FL. LVL. TO 3RD. FL. LVL.	3RD. FL. LVL. TO ROOF LVL.	
1	C5, C6, C18, C21	250 x 400	8 - 20 Ø	8 - 20 Ø	4 - 20 Ø + 4 - 16 Ø	8 Ø (2L) @ 100 TO 200 CC
2	C2, C3, C9, C10, C12, C17	250 x 450	12 - 20 Ø	6 - 20 Ø + 4 - 16 Ø	4 - 20 Ø + 6 - 16 Ø	
3	C13, C14, C15, C16, C19, C20, C22	250 x 500	10 - 20 Ø + 4 - 16 Ø	6 - 20 Ø + 8 - 16 Ø	4 - 20 Ø + 10 - 16 Ø	
4	C8, C11	250 x 600	8 - 25 Ø + 4 - 20 Ø	4 - 25 Ø + 8 - 20 Ø	12 - 20 Ø	
5	C4	250 x 600	12 - 20 Ø	8 - 20 Ø + 4 - 16 Ø	4 - 20 Ø + 8 - 16 Ø	
6	C1	250 x 525	4 - 25 Ø + 6 - 20 Ø	10 - 20 Ø	10 - 20 Ø	
7	C7	250 x 300	COL. TERMINATES AT 1ST. FLOOR			

SLAB SCHEDULE

SLAB THICKNESS - 125 M.M.	
LEGEND	SLAB STEEL
a	8 Ø @ 125 c/c (BOT)
b	8 Ø @ 150 c/c (BOT)
c	8 Ø @ 250 + 10 Ø @ 250 c/c (TOP)
d	8 Ø @ 125 c/c (TOP)
f	10 Ø @ 150 (TOP) + 8 Ø @ 125 c/c (BOT)
---	SHOWN AS TOP LAYER STEEL
---	SHOWN AS BOTTOM LAYER STEEL



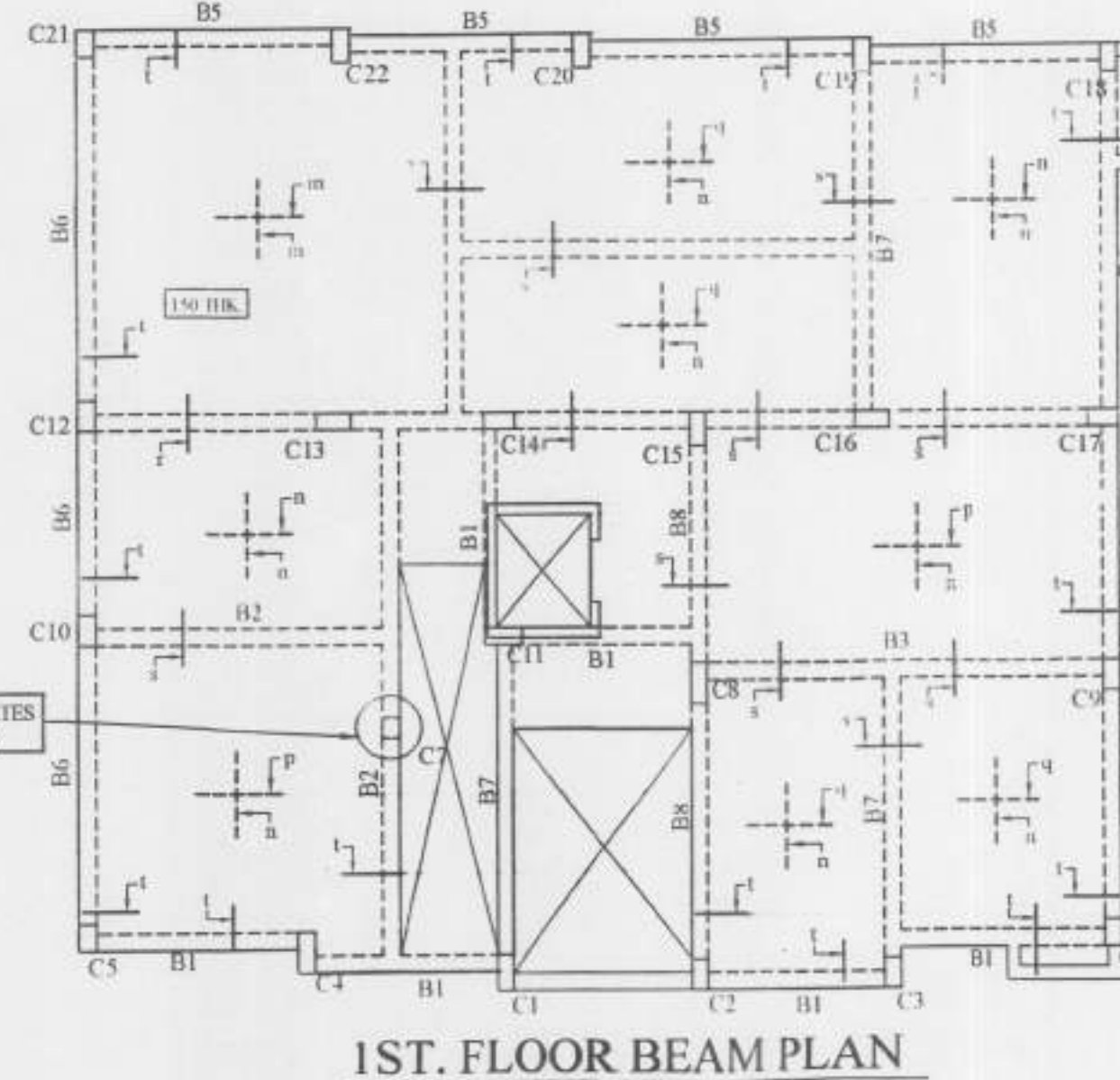
2ND TO ROOF BEAM PLAN



FOUNDATION PLAN DETAILS

SLAB SCHEDULE

SLAB THICKNESS - 125 M.M.	
LEGEND	SLAB STEEL
m	10 Ø @ 150 c/c (BOT)
n	8 Ø @ 150 c/c (BOT)
p	8 Ø @ 100 c/c (BOT)
q	8 Ø @ 200 c/c (BOT)
r	8 Ø @ 125 c/c (TOP)
s	8 Ø @ 300 + 10 Ø @ 300 c/c (TOP)
t	8 Ø @ 150 c/c (TOP)
---	SHOWN AS TOP LAYER STEEL
---	SHOWN AS BOTTOM LAYER STEEL



1ST. FLOOR BEAM PLAN

SPECIFICATIONS:

- # ALL DIMENSIONS ARE IN M.M.
- # GRADE OF CONCRETE IS M-20
- # GRADE OF STEEL : Fe 500
- # COVER TO STEEL: 50 M.M. (FOUNDATION), 40 M.M. (COLUMN), 25 M.M. (FL. BEAM), 20 M.M. (SLAB)
- # ALL FOUNDATION ARE LAID OVER 75 THK. P.C.C. (1:2:4) OVER 75 THK. B.F.S.
- # 25 Ø @ 750 C/C STEEL ARE USED AS SPACER BAR AT DOUBLE LAYER
- # STRENGTH OF CONC. TO BE TESTED BY AVAILABLE DESTRUCTIVE AND NON DESTRUCTIVE TESTS AS PER I.S. SPECIFICATIONS.
- # 400 mm. LONG 10 Ø CHAIR BARS TO BE PLACED BETWEEN TOP & BOTTOM LAYER OF REINFORCEMENT WITHIN FLOOR SLAB AS SEPARATOR.

CERTIFICATE OF STRUCTURAL ENGINEER

THIS IS TO CERTIFY THAT THE STRUCTURAL DESIGN AND DRAWINGS OF BOTH FOUNDATION AND SUPER STRUCTURE 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 CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECTS. THE SOIL TEST REPORT HAS BEEN DONE BY GEOTECH ENGINEERS PVT. LTD. (MR. ALOK ROY) 6A, MILAN PARK, KOLKATA-700084. CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT.

(Signature)

Sankar Das
B.E. (CIVIL), M.E. (CIVIL), M.I.E.
Consulting Structural Engineer
The Kolkata Municipal Corporation
Emparment No. - E.S.E. 1/12

SANKAR DAS (E.S.E.-1/12)
SIG. OF STRUCTURAL ENGINEER

DECLARATION OF ARCHITECT

CERTIFIED THAT THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES 2009, AS AMENDED FROM TIME TO TIME AND THE SITE CONDITION INCLUDING THE ABUTTING ROAD IS CONFORM WITH THE PLAN. IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK. THERE IS AN EX. STRUC. TO BE DEMOLISHED BEFORE COMMENCEMENT OF WORK. IT IS FULLY OCCUPIED BY THE OWNER. THERE IS NO TENENT.

ANJAN UKIL
Architect
C.O.A. Regn. No. CA/24/19721
L.B.A. A-771

ANJAN UKIL (A-19721)
SIG. OF ARCHITECT

UNDERSIGNED HAS INSPECTED THE SITE & WILL CARRY OUT THE SOIL INVESTIGATION. THE REPORT OF SOIL TESTER IS TO BE REFERRED TO THE SITE IS ABLE TO CARRY OUT THE LOAD FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM THERE IN WILL BE SAFE & STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

ALOK ROY
Geotechnical & Structural Engineer
Kolkata Municipal Corporation
Class-4, No. G-1/11
6A, Milan Park,
Kolkata-700 084

ALOK ROY (G.T.E.-1/11)
SIG. OF GEO-TECHNICAL ENGINEER

DECLARATION OF OWNER

I DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT I SHALL ENGAGE L.B.A & E.S.E DURING CONSTRUCTION. I SHALL FOLLOW THE INSTRUCTION OF L.B.A & E.S.E DURING CONSTRUCTION OF THE BUILDING (AS PER PLAN). K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURE IF ANY SUBMITTED DOCUMENT ARE FAKE. THE K.M.C AUTHORITY WILL REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF U.G.W. RESERVOIR WILL BE TAKEN UNDER THE GUIDANCE OF L.B.A / E.S.E BEFORE STARTING OF BUILDING FOUNDATION.

SATWIC VIVEK BUIA (CA) OF
(RATNA MITRA)
SIGNATURE OF OWNER

**TOPIC -
FOUNDATION AND SUPERSTRUCTURE DETAILS**

PROJECT -
PROPOSED G+HV STORIED (HT. - 15.475MT.) RESIDENTIAL BUILDING U/S 393 A OF K.M.C. ACT 1980 AT - 49, SRI RAM THAKUR ROAD (FORMERLY JADAVPUR CENTRAL ROAD), KOLKATA-700032, WARD NO -96, BOROUGH-X, P.S.-JADAVPUR

STRUCTURAL CONSULTANT	
TETRAGON ENGINEERING CONSULTANCY (P) LTD. 2T CORNFIELD ROAD, KOLKATA - 700019. PHONE NO 033 4072 8600. E-mail : tetcp.kolkata@gmail.com	
JOB NO.	C/2373
DRG. NO.	1
DATE	08.01.2019
SCALE	1:100
DEALT	J.A.M.

CERTIFIED COPY

Structural plan and design calculation as submitted by the structural engineer have been kept with B.S. No. 2018100248. Date 31/12/2018. The plan submitted to the Kolkata Municipal Corporation. Although the submitted structural plan should be made in the form of a calculation and stability certificate in the necessary steps should be taken for the premises as public and private properties during construction.

[Signature]
EXECUTIVE ENGINEER/ASST. ENGINEER
Borough-X

CERTIFIED COPY

KOLKATA MUNICIPAL CORPORATION
BUILDING DEPARTMENTS
CERTIFIED COPY OF B.S. PLAN
No. 2018100248. Date 31/12/2018.

Borough No. *[Signature]*
[Signature]
Assistant Engineer Executive Engineer

