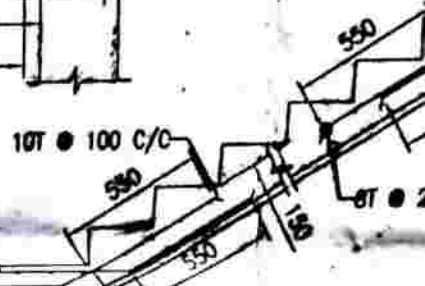
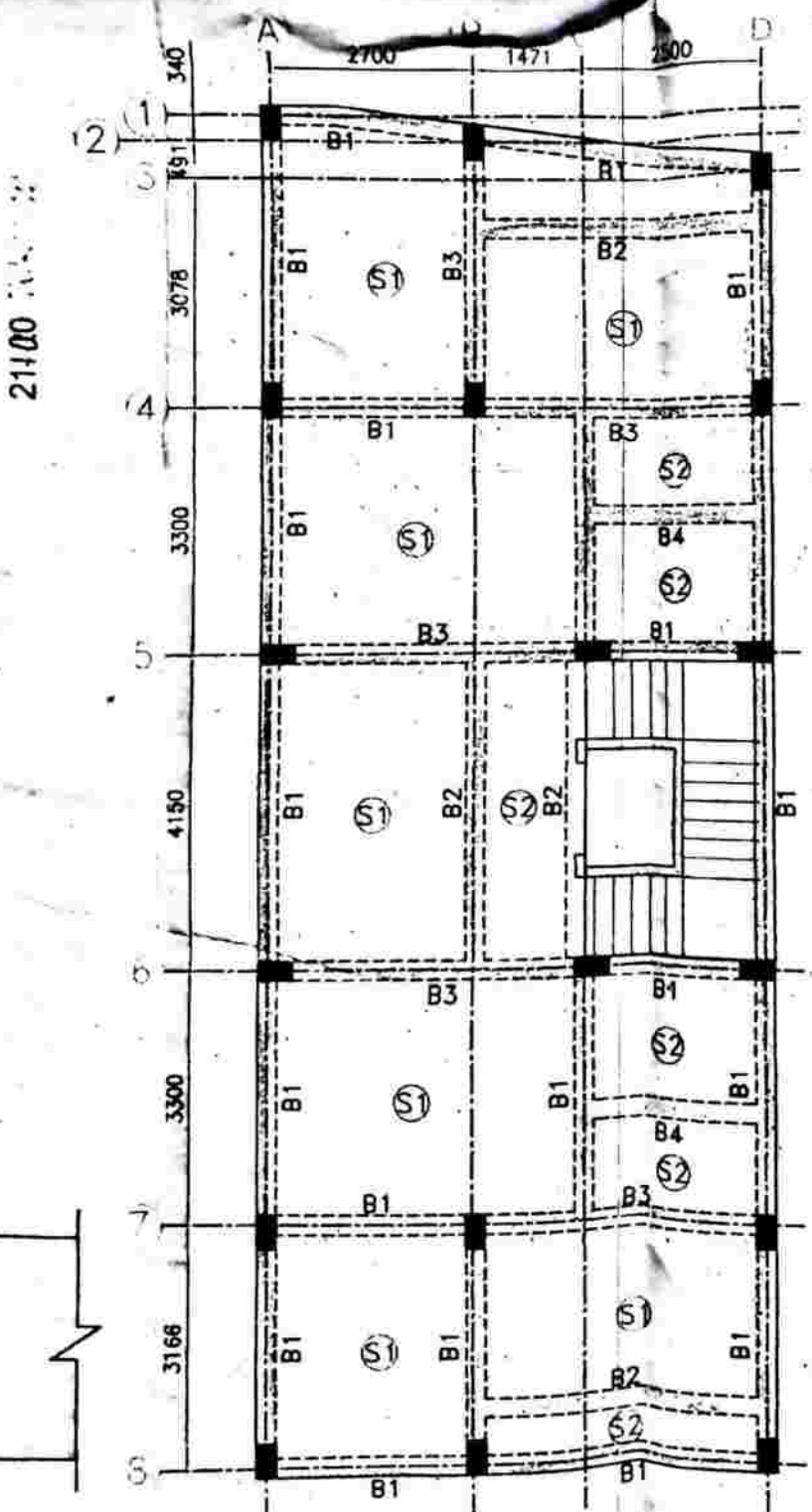


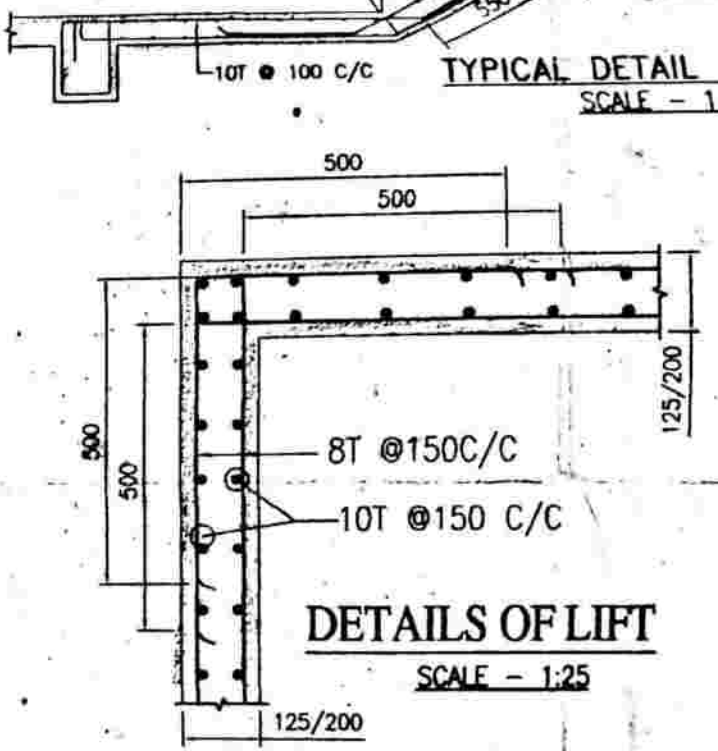
TYPICAL DETAIL OF BEAM
SCALE - 1:25



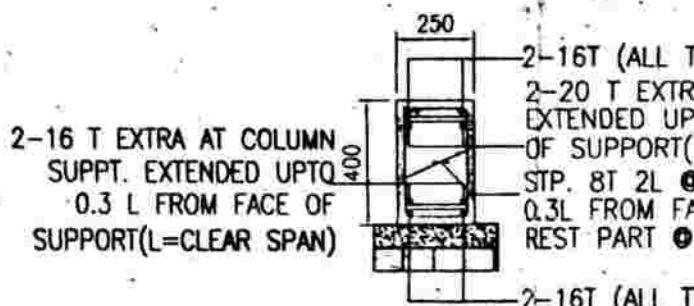
TYPICAL DETAIL
SCALE - 1



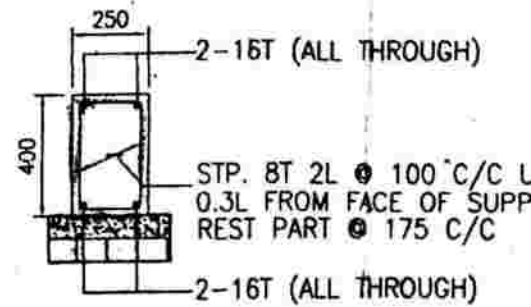
TYP. FLOOR BEAM LAYOUT PLAN



DETAILS OF LIFT
SCALE - 1:25

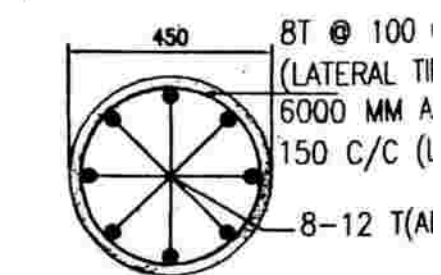
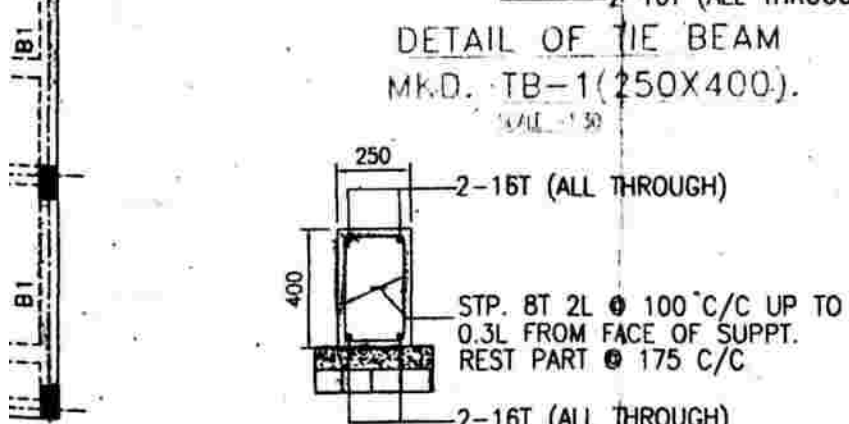
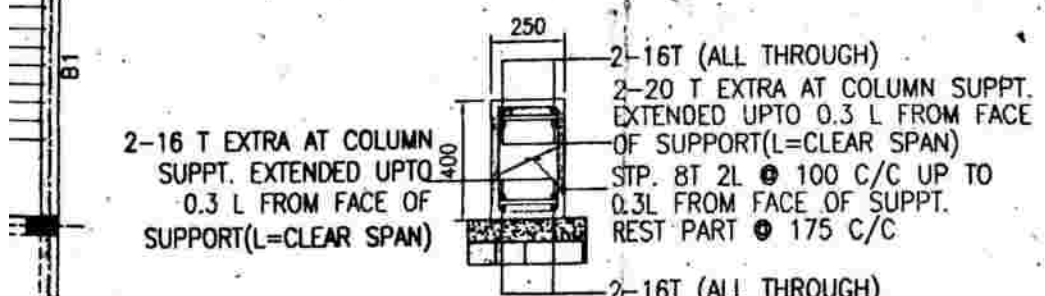
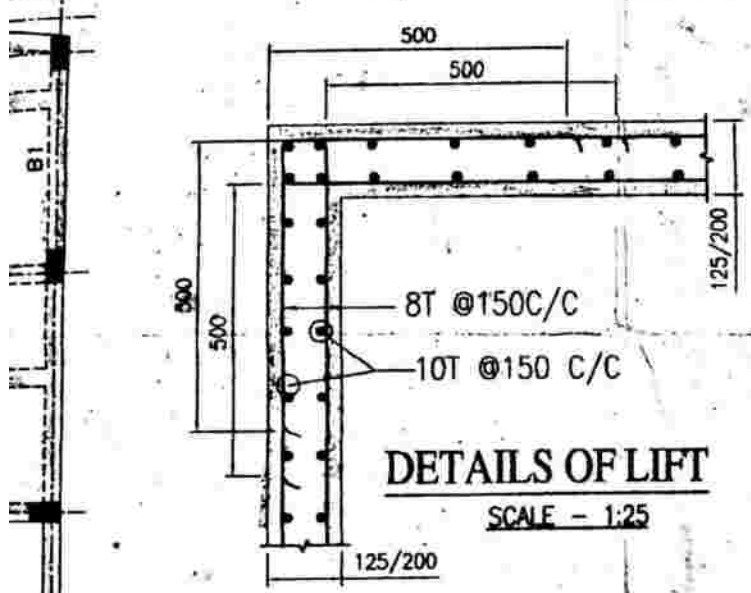
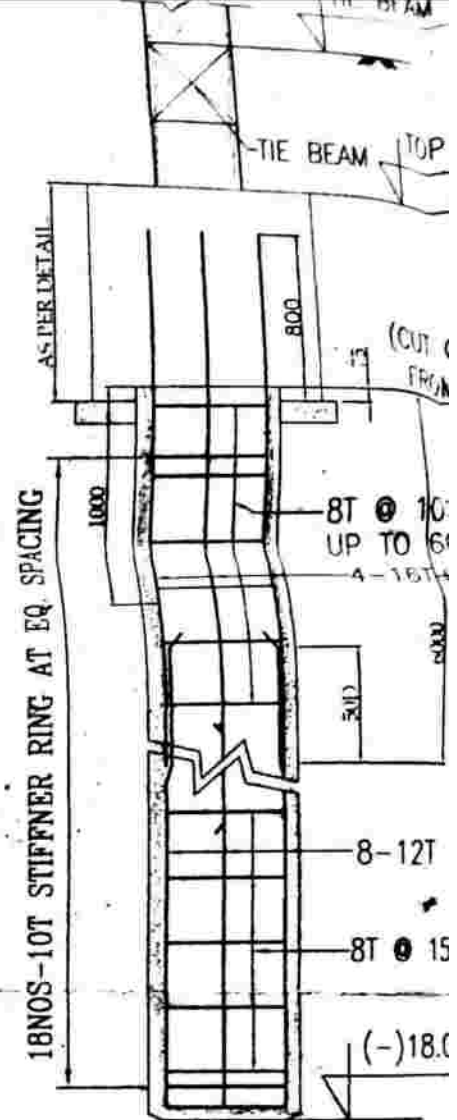
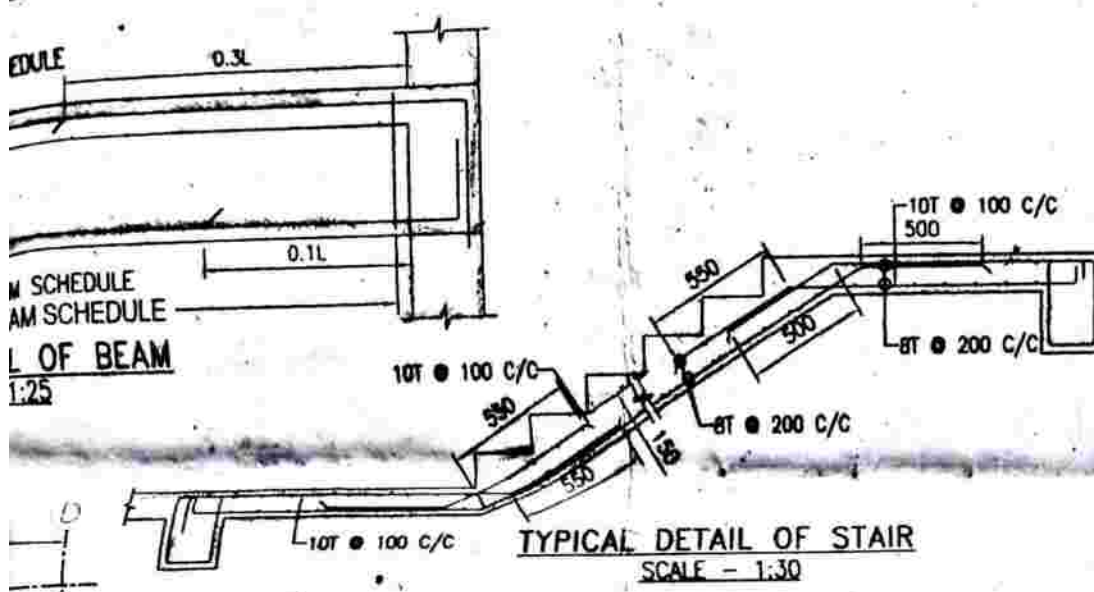


DETAIL OF TIE BEAM
MKD. TB-1 (250X400)
SCALE - 1:20



DETAIL OF TIE BEAM
MKD. TB-2 (250X400)

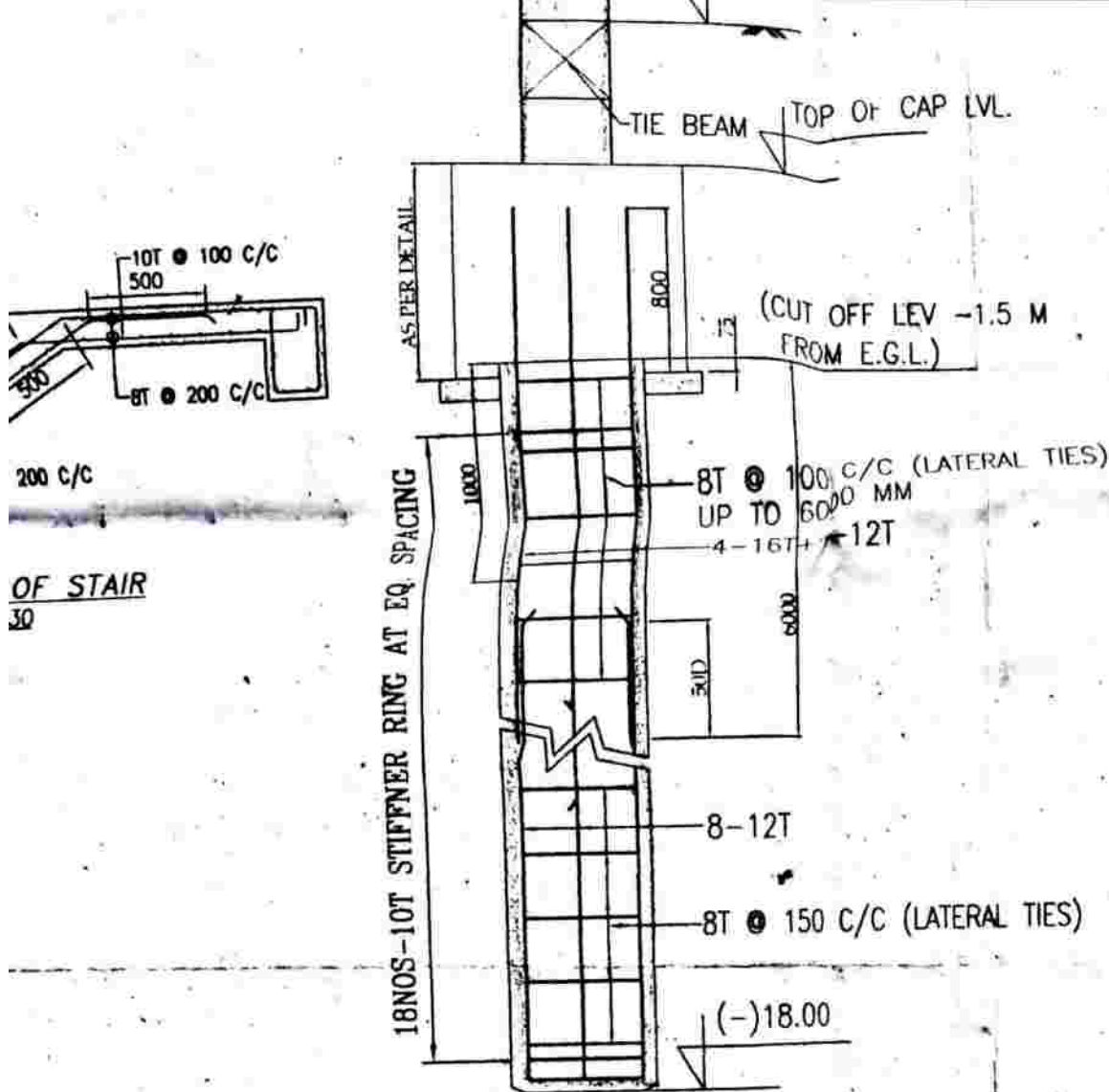
ALL OF STAIR
= 1:25



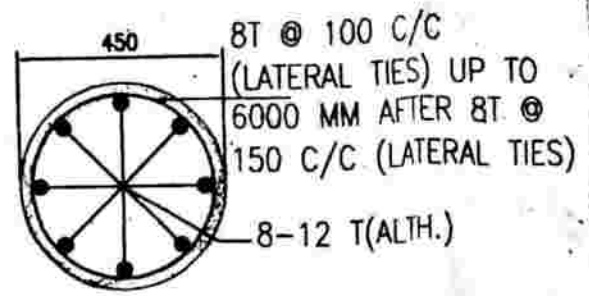
2.5 MM Ø ELECTROD SHALL BE USED FOR WELDING ONLY.
MIN CEMENT CONTENT IN CONCRETE SHALL BE

TYPE	DIA OF PILE	CUT-OFF LEV.	REINFORCE
○	450 Ø	(-)1.5M	8-12

PLAN



TYPICAL DETAIL OF PILE
SCALE - 1:25



TYPICAL CROSS SECTION OF PILE

2.5 MM Ø ELECTROD SHALL BE USED FOR WELDING ONLY

MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400Kg/m³

TYPE	DIA OF PILE	CUT-OFF LEV.	REINFORCEMENT	CAPACITY
○	450 Ø	(-)1.5M	8-12 TOR	28.0T

5. ALL GRADE OF CONCRETE M20.
6. ALL MATERIALS SHALL CONFORM I
7. FOR STEEL GRADE F_y 500 AS PE
8. ALL DISTRIBUTION BARS ARE BT 1
9. ALL CHAIRS ARE 10T AND TO B
10. ALL SPACER BARS ARE 25T @ 3
11. LAPS, SPLICES & BOND LENGTH DIA OF BAR.
12. FOUNDATION & PLINTH : BRICK SHALL BE OF 1ST CLASS BRICK IF
13. MINIMUM CLEAR COVER TO MAIN MEMBER
 - a. PILE
 - b. PILE CAP
 - c. COLUMN
 - d. FLOOR BEAM.
 - e. TIE BEAM.
 - f. FLOOR SLAB.
14. SPECIFIC GRAVITY OF THE BE 1.1 TO 1.2 BEFORE CASTING

CERTIFICA
CERTIFIED THAT I SHALL NOT ON A LA THIS PLAN SO AS TO CONVERT IT FOR MY US PER STOREY/FLOOR
CERTIFIED THAT I HAVE GONE THROU MUNICIPALITY AND ALSO UNDERTAKE TO CONSTRUCTION OF THE BUILDING
CERTIFIED THAT I ALSO UNDERTAKE DAYS AND COMPLETE WOULD BE REPORTED THAT THERE IS NO COURT CASE OR ANY CO PER PLAN
I ALSO UNDERTAKE THAT I HAVE NOT SI ANYBODY UPTILL NOW SOUTH DUM DUM M DISPUTE IF ARISES IN FUTURE

EAS
Sanyal

EAST INDIA CONSTRUCTION
Partner

CERTIFICA

CERTIFIED THAT THE FOUNDATI BUILDING HAVE BEEN SO DESIGNED I INCLUDING THE CONSIDERATION OF E SOIL ETC AS PER I S I STANDARD & N
CERTIFIED THAT THE PLAN HAS ACCORDING TO THE BUILDING RULES MUNICIPALITY
I AS A STRUCTURAL DESIGNER SOUTH DUM DUM MUNICIPALITY FROM FAILURE OF THE BUILDING AFTER AN HOWEVER STRUCTURAL DESH FOR REFERENCE & RECORD

Mita Saha

Licensed Building Survey
Class-I Lic No-SDDM/L.B.S/42/1

SIG. OF THE I.B.S

DRAWING TITLE:-
FDN. LAYOUT PLAN, TYPICAL FLC SCHEDULE OF PILE CAP, FLOOR SCHEDULE, LONG SECTION OF BEAM & TIE BEAM

STRUCTURAL CONSULTANT:-

Mita Saha
Salt Lake City,
AG-89, Sector-II,
Kolkata-700 091
E-mail: mitasaha@yahoo.co.in

AM Top of CAP (VL)

(CUT OFF LEV -1.5 M FROM E.G.L.)

100 C/C (LATERAL TIES) TO 600 MM 12T

12T

150 C/C (LATERAL TIES)

18.00

PILE

100 C/C (LATERAL TIES) UP TO AM AFTER 8T @ C/C (LATERAL TIES)

T(ALTH.)

SS ILE

BE USED

ALL BE = 400Kg / m²

REINFORCEMENT	CAPACITY
-12 TOP	28.01

5. ALL GRADE OF CONCRETE M20 UNLESS OTHERWISE NOTED.
6. ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
7. FOR STEEL GRADE Fe 500 AS PER IS 1786-2008.
8. ALL DISTRIBUTION BARS ARE 8T @ 250 C/C AND TO BE PROVIDED.
9. ALL CHAIRS ARE 10T AND TO BE PROVIDED WHEREVER REQUIRED.
10. ALL SPACER BARS ARE 25T @ 300 C/C AND TO BE PROVIDED.
11. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS DIA OF BAR.
12. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:8 CEMENT MORTAR.
13. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. PILE	50	50	50
b. PILE CAP	75	75	75
c. COLUMN	40	40	40
d. FLOOR BEAM	30	30	30
e. TIE BEAM	30	30	30
f. FLOOR SLAB	20	20	20
14. SPECIFIC GRAVITY OF THE BENTONITE SHALL BE MAINTAINED AT 1.1 TO 1.2 BEFORE CASTING OF PILE.

CERTIFICATE OF OWNER

CERTIFIED THAT I SHALL NOT ON A LATER DATE MAKE ANY ADDITION OR ALTERATION TO THIS PLAN SO AS TO CONVERT IT FOR MY USE OR ALLOW IT TO BE USED FOR SEPARATE FLATS PER STOREY/FLOOR.

CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING RULES FOR THE SOUTH DUM DUM MUNICIPALITY AND ALSO UNDERTAKE TO ABIDE BY THOSE RULES DURING AND AFTER CONSTRUCTION OF THE BUILDING.

CERTIFIED THAT I ALSO UNDERTAKE TO REPORT OF COMMENCEMENT BEFORE SEVEN DAYS AND COMPLETE WORK WOULD BE REPORTED WITHIN THIRTY DAYS. I UNDERTAKE TO REPORT THAT THERE IS NO COURT CASE OR ANY COMPLAINT FROM ANY CORNER OF MY PROPERTY AS PER PLAN.

I ALSO UNDERTAKE THAT I HAVE NOT SOLD OR TRANSFER ANY PART OF MY PROPERTY TO ANYBODY UNTILL NOW SOUTH DUM DUM MUNICIPALITY WILL NOT BE LIABLE IF ANY TYPE OF DISPUTE IF ARISES IN FUTURE.

EAST INDIA CONSTRUCTION
Sanyal Halder

[Signature]

Partner

EAST INDIA CONSTRUCTION

[Signature]

Partner

SIG. OF THE OWNER

CERTIFICATE OF ENGINEER

CERTIFIED THAT THE FOUNDATION & THE SUPERSTRUCTURE OF THE BUILDING HAVE BEEN SO DESIGNED BY ME/US, AS TO BE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL ETC. AS PER IS I STANDARD & N.B. CODE.

CERTIFIED THAT THE PLAN HAS BEEN DESIGNED & DRAWN UP STRICTLY ACCORDING TO THE BUILDING RULES FOR THE SOUTH DUM DUM MUNICIPALITY.

I AS A STRUCTURAL DESIGNER HEREBY CERTIFY THAT I INDEMNIFY SOUTH DUM DUM MUNICIPALITY FROM ANY STRUCTURAL DEFECT AND/OR FAILURE OF THE BUILDING AFTER AND DURING OF THE CONSTRUCTION. HOWEVER STRUCTURAL DESIGN CALCULATION SHEET ARE SUBMITTED FOR REFERENCE & RECORD.

[Signature]

MITA SAHA

Licensed Building Surveyor
Class-I Lic No-SDDM/L.B.S/42/18-19

SIG. OF THE L.B.S

[Signature]

MS. MITA SAHA

M.E. (Struct), MIE, CE
ESE-24 (SDDM), 201 -1
AG-89, Sec-11, Salt Lake
Mob:-9831888112

SIG. OF THE ENGINEER

DRAWING TITLE:

FDN. LAYOUT PLAN, TYPICAL FLOOR BEAM LAYOUT PLAN, SCHEDULE OF PILE CAP, FLOOR BEAM & SLAB, COLUMN SCHEDULE, LONG SECTION OF PILE, STAIR, LIFT SECTION, BEAM & TIE BEAM.

STRUCTURAL CONSULTANT:

Mita Saha
Salt Lake
AG-89, Sector-II
Kolkata-700091
E-mail: mitasaha@yahoo.co.in

DRAWN BY:-

S. ANDEKARY

SCALE - 1:100

DATE - 23.09.2018

SHEET - 1 OF 1



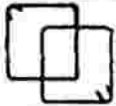
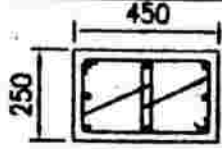
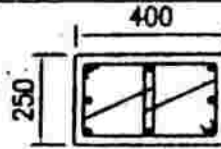
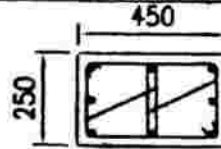
CHECKED BY:-

MITA SAHA

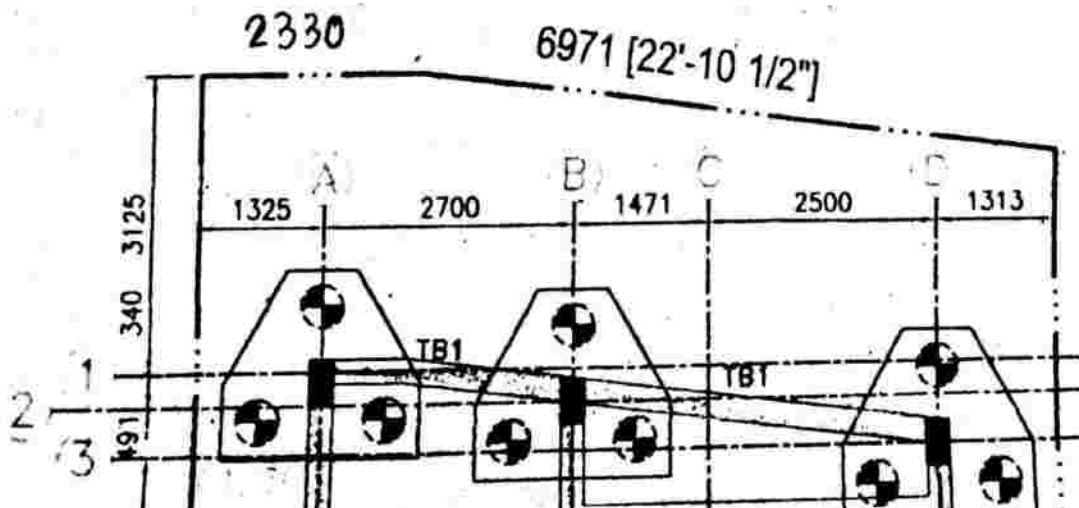
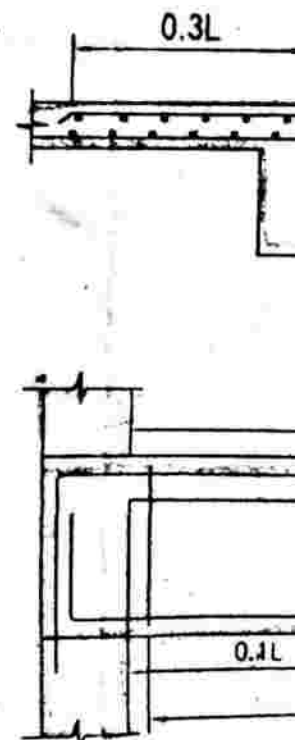


COLUMN SCHEDULE

GRADE OF CONCRETE - M20

2nd FLOOR TO ROOF LVL.	8-16 TOR	4-16+4-20 TOR	8-20 TOR
FOUNDATION TO 2nd FLOOR	4-16+4-20 TOR.	8-20 TOR	8-20 TOR
LINKS DETAILS			
C/S OF COLUMN			
COL SIZE	250X450	250X450	250X450
LINK	8T @100C/C UP TO 750 FROM BEAM SOFFIT & SLAB TOP & REST PORTION 8T @200C/C		
COL MARKED	C1,C3,C4,C5,C6,C8,C11 C13,C14,C15,C16,C18.	C7,C9,C10,C12.	C2,C17.

BE
GR
BEA
MK
B1
B2
B3
B4



8-20 TOR

8-20 TOR

450

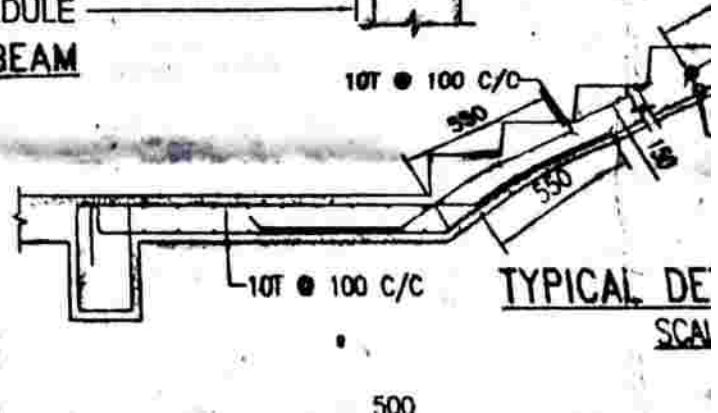
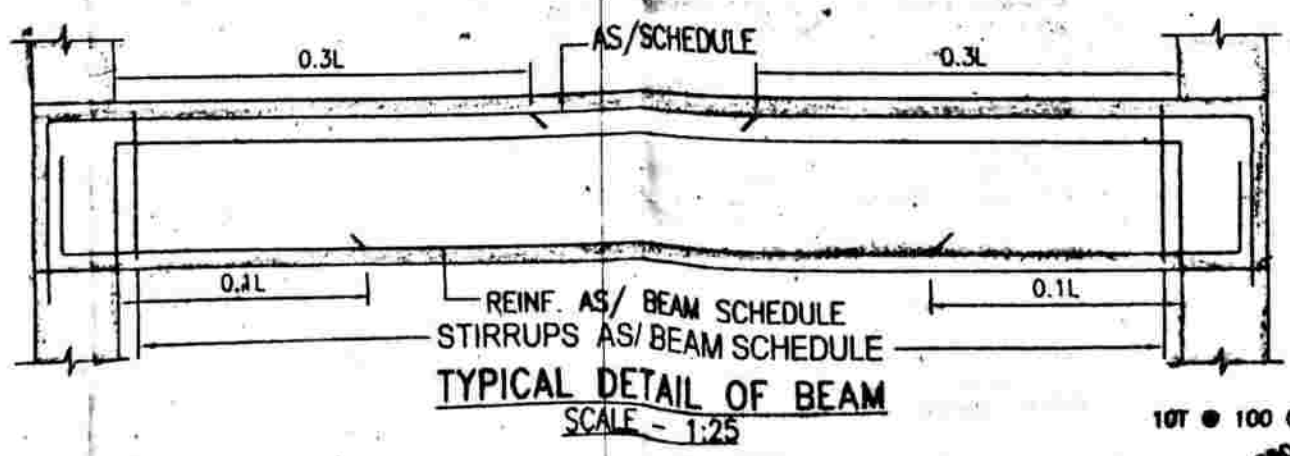
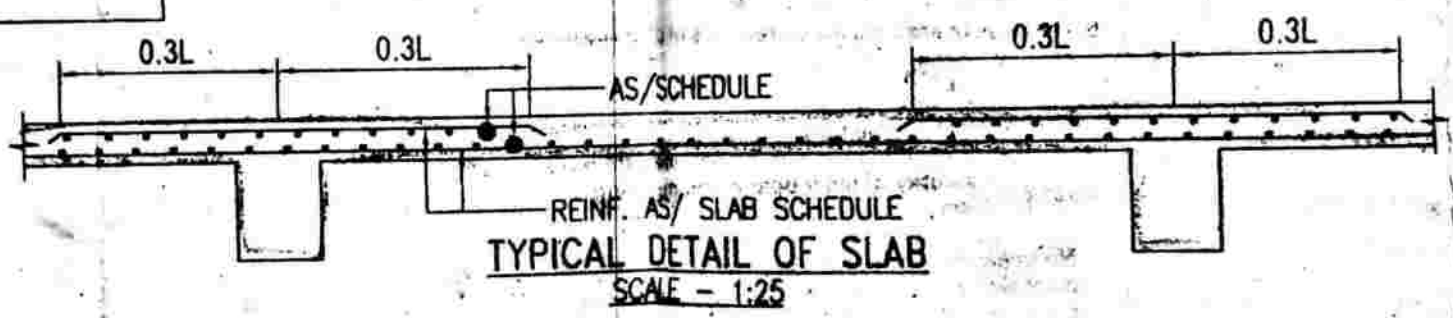
250X450

C2,C17.

BEAM SCHEDULE

GRADE OF CONCRETE - M20

BEAM MKD.	BEAM SIZE		REINFT. AT SUPPT.		REINFT. AT SPAN		STIRRUPS	
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250	400	4-16 T	2-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C
B2	250	400	2-16 T	2-16 T	2-16 T	4-16 T	8 T @100C/C	8 T @200C/C
B3	250	400	5-16 T	3-16 T	2-16 T	5-16 T	8 T @100C/C	8 T @200C/C
B4	250	400	2-16 T	2-16 T	2-16 T	3-16 T	8 T @100C/C	8 T @200C/C



500

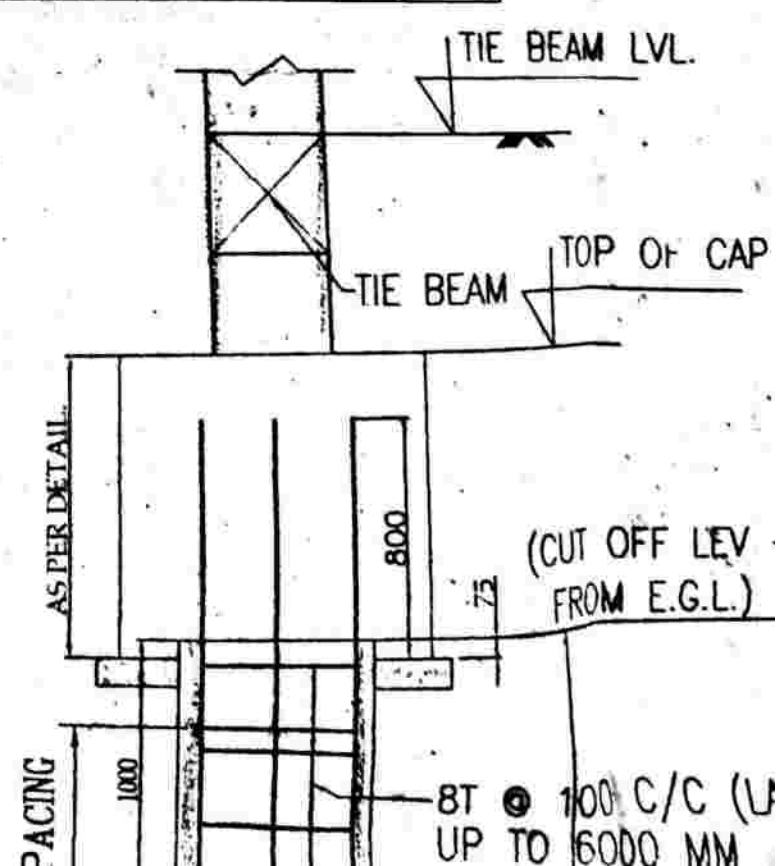
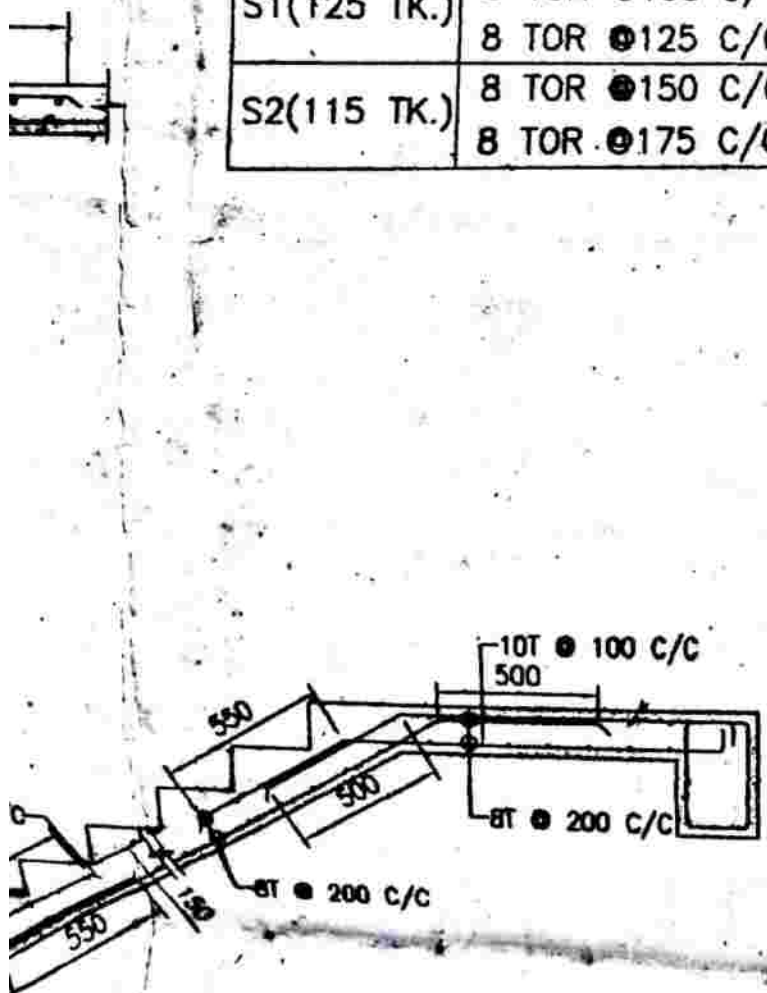
PILE CAP SCHEDULE

GRADE OF CONCRETE - M25

TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
3P	AS SOWN	750	12 @200 C/C (T) 16 @100 C/C (B)	12 @200 C/C (T) 16 @100 C/C (B)
4P	2100X2100	900	12 @200 C/C (T) 16 @100 C/C (B)	12 @200 C/C (T) 16 @100 C/C (B)
15P	3450X6150	1000	16 @100 C/C (T) 16 @100 C/C (B)	16 @100 C/C (T) 16 @100 C/C (B)

SCHEDULE OF FLOOR AND ROOF SLAB

PANEL MKD.	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
S1(125 TK.)	8 TOR ϕ 100 C/C(Top) 8 TOR ϕ 125 C/C(Bott.)	8 TOR ϕ 125 C/C(Top) 8 TOR ϕ 150 C/C(Bott.)
S2(115 TK.)	8 TOR ϕ 150 C/C(Top) 8 TOR ϕ 175 C/C(Bott.)	8 TOR ϕ 175 C/C(Top) 8 TOR ϕ 200 C/C(Bott.)



PROPOSED SIX STD. RESIDENTIAL BUILDING PLAN C-7 SR.
BIMALENDU SEKHAR CHAKRABORTY IN RESPECT OF HOLDING
NO. - 342, M.C. GARDEN ROAD, WARD NO. - 14, MOUZA - PURBA
SINTHEE, J. L. NO. - 22, R.S. NO. - 11, R.S. KHATIAN NO. - 941, C.S.
KHATIAN NO. - 726, C. S. DAG NO. - 582, R.S. DAG NO. - 582, TOUZI
NO. - 1296/ 2833, P. S. - DUM DUM, DIST. - 24 PARGANAS(N) UNDER
SOUTH DUM DUM MUNICIPALITY.

AREA STATEMENT

1. <u>TOTAL AREA OF LAND (AS PER DEED)</u>	= 03K 00Ch. 20Sqf = 202.53 Sqm
2. <u>TOTAL AREA OF LAND (measured)</u>	= 202.53 Sqm
3. <u>PERMISSIBLE COVER AREA (64.87%)</u>	= 131.38 Sqm
4. <u>PROP. GR. FL. COV. AREA</u>	= 122.93 Sqm
5. <u>PROP. 1ST. FL. COV. AREA</u>	= 122.93 Sqm
6. <u>PROP. 2ND. FL. COV. AREA</u>	= 122.93 Sqm
7. <u>PROP. 3RD. FL. COV. AREA</u>	= 122.93 Sqm
8. <u>PROP. 4TH. FL. COV. AREA</u>	= 122.93 Sqm
9. <u>PROP. 5TH. FL. COV. AREA</u>	= 122.93 Sqm
10. <u>CAR PARKING AREA</u>	= 61.47 Sqm
11. <u>LEFT OPEN AREA</u>	= 79.60 Sqm
12. <u>TOTAL FL. COV. AREA</u>	= 737.58 Sqm
13. <u>VOLUME OF TOTAL CONST.</u>	= 2255.41 Cum

NOTE:-

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING
3. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
5. ALL GRADE OF CONCRETE M20. UNLESS OTHERWISE NOTED.
6. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
7. FOR STEEL GRADE Fe 500 AS PER I.S 1786-2008.
8. ALL DISTRIBUTION BARS ARE 8T @ 250 C/C AND TO BE PROVIDED
9. ALL CHAIRS ARE 10T AND TO BE PROVIDED WHEREVER REQUIRED
10. ALL SPACER BARS ARE 25T @ 300 C/C AND TO BE PROVIDED
11. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS DIA OF BAR.
12. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
13. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. PILE	50	50	50
b. PILE CAP	75	75	75
c. COLUMN	40	40	40
d. FLOOR BEAM.	30	30	30
e. TIE BEAM.	30	30	30
f. FLOOR SLAB.	20	20	20

14. SPECIFIC GRAVITY OF THE BENTONITE SHALL BE MAINTAINED AT 1.1 TO 1.2 BEFORE CASTING OF PILE.

P LVL.

-1.5 M