

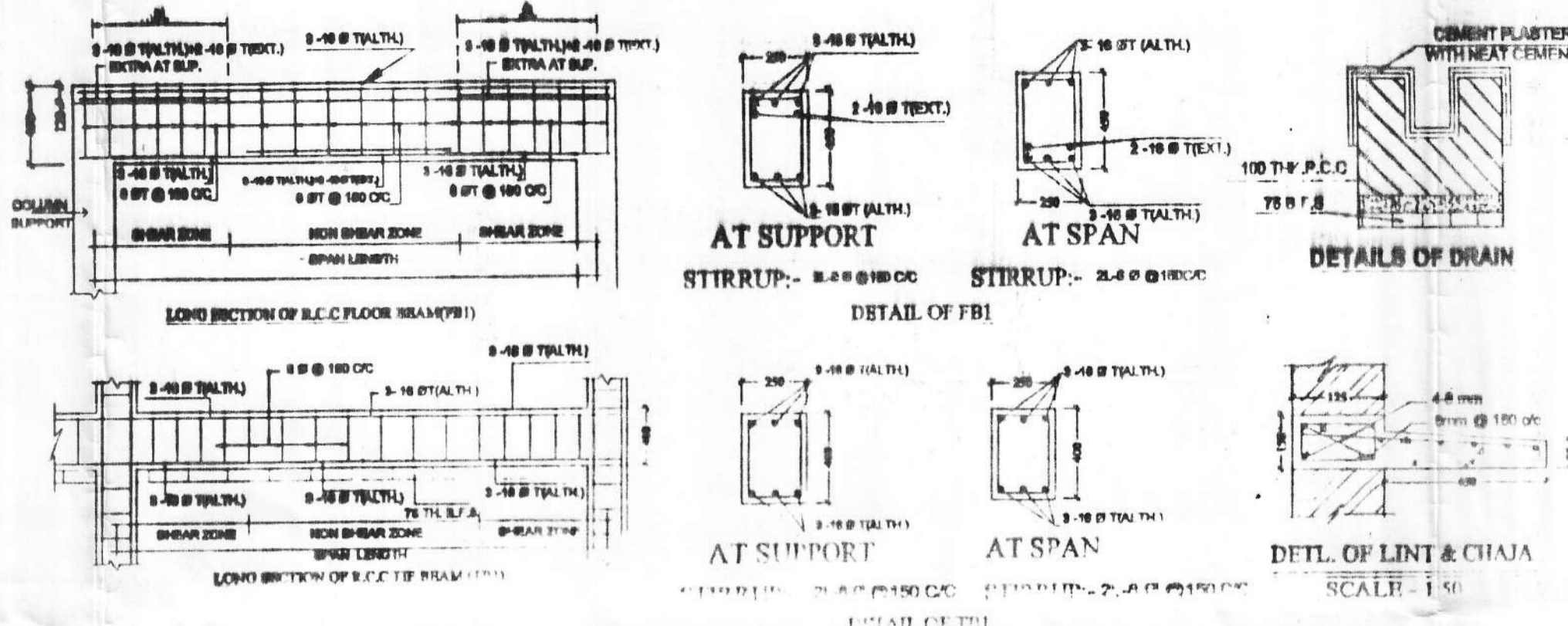
SCHEDULE OF BEAM (FLOOR/ROOF)						
BEAM MKD.	BEAM SIZE (mm)	REINFORCEMENT				STIRRUPS
		SUPPORT		SPAN		
		TOP	BOTTOM	TOP	BOTTOM	
FB	200X400	3-18 ST + 2-18 ST	3-18 ST	3-18 ST + 2-18 ST	3-18 ST + 2-18 ST	3-18 ST @ 100 CC
FBI	200X400	3-18 ST + 2-18 ST	3-18 ST	3-18 ST + 2-18 ST	3-18 ST + 2-18 ST	3-18 ST @ 100 CC
FBI	200X400	3-18 ST + 1-18 ST	3-18 ST	3-18 ST + 1-18 ST	3-18 ST + 1-18 ST	3-18 ST @ 100 CC
TBI	200X400	3-18 ST	3-18 ST	3-18 ST	3-18 ST	3-18 ST @ 100 CC

SCHEDULE OF SLABS (CONC. GRADE - M20)					
SLAB MKD.	SLAB THICK.	BOTTOM REINFORCEMENT		EXTRA TOP REINFORCEMENT (CURT)	
		ALONG SHORTER SPAN (ALTY)	ALONG LONGER SPAN (ALTY)	ALONG SHORTER SPAN (SUPPORT)	ALONG LONGER SPAN (SUPPORT)
S1	120 mm	8 @ 150 C/C	8 @ 150 C/C	8 @ 150 C/C	8 @ 150 C/C

SCHEDULE OF STAIRCASE	
140 THICK WARE SLAB	12 T @ 150 C/C MAIN REINFORCEMENT 8 @ 150 C/C DISTRIBUTORS

SCHEDULE OF LIFT WALL		
WALL THICKNESS	REINFORCEMENT	REMARKS
200 mm	10 T @ 150 C/C BY BOTH FACE ALONG VERTICAL DIRECTION 8 @ 150 C/C BY BOTH FACE ALONG HORIZONTAL DIRECTION	

FOUNDATION BEAM (CONC. GRADE - M20)						
BEAM SIZE (mm)	TOP	BOTTOM	EXTRA REINF. CONT. SUPP. (B)		STIRRUPS	
			CONT.	MID. SUPP. (T)	SUPP.	SPAN
500X600	4-16 #	4-16 #	2-12 #	2-12 #	4L-8 # @ 140 C/C	4L-8 # @ 140 C/C



SCHEDULE OF ISOLATED FOOTING (CONC. GRADE - M20)						
FOOTING MKD.	SIZE (WXL)	d1	d2	REINFORCEMENT		
				a	b	
IF1	2700X2700	250	250	12 T @ 125 C/C	12 T @ 125 C/C	
IF2	2400X2400	250	250	12 T @ 125 C/C	12 T @ 125 C/C	
IF2	2100X2100	250	250	12 T @ 125 C/C	16 T @ 125 C/C	
ALL COMBINED FOOTINGS	SHOWN IN DRAWING	450		12 T @ 125 C/C	12 T @ 125 C/C	

COLUMN CHART CONCRETE GRADE - M20						
NO.	COLUMN MKD.	COL. SIZE (mm)	NO. OF CORNERS	REINFORCEMENT	REINFORCEMENT	REINFORCEMENT
1	IF1	2700 X 2700	4	12 T @ 125 C/C	12 T @ 125 C/C	12 T @ 125 C/C
2	IF2	2400 X 2400	4	12 T @ 125 C/C	12 T @ 125 C/C	12 T @ 125 C/C
3	IF2	2100 X 2100	4	12 T @ 125 C/C	16 T @ 125 C/C	12 T @ 125 C/C

**PROJECT:-**  
**PROPOSED ARCHITECTURAL PLAN OF G+4 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF 1) BISWAJIT DUTTA S/O SUBHAS CHANDRA DUTTA 2) SMT. PIYALI DUTTA BISWAS W/O SRI BISWAJIT DUTTA, 3) SRI SASANKA SEKHAR SENGUPTA 4) SRI SANJOY SENGUPTA 5) SRI SUJIT SENGUPTA 6) SMT SHIBANI BAL 7) SMT INDRANI DUTTA GUPTA 8) SMT BANANI DASGUPTA THEY ARE SON & DAUGHTER OF LATE MAKHAN LAL SENGUPTA 9) SRI SAMIR DEBNATH S/O LATE MOTILAL DEBNATH 10) SRI TARUN KUMAR DEBNATH S/O LATE MOTILAL DEBNATH 11) SRI ANIL CHANDRA PAUL S/O LATE UMESH CHANDRA PAUL 12) SMT JHUMUR PAUL W/O SRI ANIL CHANDRA PAUL 13) SRI INDRANIL SENGUPTA S/O LATE ANIL CHANDRA PAUL AT MOUZA-SODEPUR, J. L. NO. - 45, R.S. NO. - 45, TOLU NO. - 178, C.S. DAG NO-476(F) & 83(F), CORRESPONDING TO R.S. & L.R. DAG NO-78/476, E.P. NO-232 & 226, S.P. NO-339 & 328, L.O.P. NO-227/A, WARD NO. - 16, HOLDING NO. - 39, AT R.N. AVENUE, UNDER PANIHATI MUNICIPALITY, P.O. - PANSHILA, P.S. - KHARDAH, DIST. - NORTH 24 PARGANAS.**

**CERTIFICATE OF STRUCTURAL STABILITY**

WE HEREBY CERTIFY THAT THE FOUNDATION & SUPER STRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION HAVE BEEN SO DESIGNED BY US WILL MAKE SUCH FOUNDATION & SUPERSTRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL ETC...

**DECLARATION OF OWNER & ARCHITECT/L.S**

I CERTIFY THAT ALL THE ARCHITECTURAL DRAWINGS AND PLANS HAVE BEEN PREPARED BY ME COMPLYING WITH THE WEST BENGAL MUNICIPAL BUILDING RULE, 2007. I SHALL BE HELD RESPONSIBLE IF ANY INCORRECT INFORMATION IS FURNISHED BY ME OR ANY VIOLATION OF PROVISIONS OF THESE RULES (THE WEST BENGAL MUNICIPAL BUILDING RULES 2007) IS FOUND. IN ANY OF THE DRAWING AND DOCUMENTS, SIGNED BY ME AND SUBMITTED TO THE SANCTIONING AUTHORITY FOR OBTAINING SANCTION.

SIGNATURE OF L.S. SIGNATURE OF OWNER



SIGNATURE OF L.S.

- NOTES :-**
- ALL DIMENSIONS AND LEVELS ARE IN METERS UNLESS OTHERWISE STATED.
  - (A) & (B) LEVELS CORRESPOND TO FINISHED GROUND LEVEL AND ROAD CHOWK LEVEL.
  - ALL LEVELS / ELEVATIONS / HEIGHTS / FINISHED GROUND LEVEL SHALL BE AS SHOWN ON DRAWING (EXCEPT IF ANY).
  - CLEAR COVER TO MAIN REIN. SHALL BE AS FOLLOWS - (i) 25mm for beams & columns, (ii) 40mm for slabs.
  - ALL STRUCTURAL CONCRETE SHALL BE M20 (M25) BY WEIGHTS UNLESS OTHERWISE STATED.
  - REINFORCEMENT SHALL BE UP TO 40mm UNLESS OTHERWISE STATED TO ALL THE WORKED DRAWINGS.
  - READ THE DRAWINGS IN CONNECTION WITH THE ARCHITECTURAL DRAWINGS.
  - FOR ANY DISCREPANCY CONCERNED, OUR SITE ENGINEER SHALL BE CONSULTED WITH.
  - COLUMN LINES SHALL BE PLACED CONFORM TO THE BEAM-COLUMN JOINTS BY STIRRUPS - SHALL BE STATED FROM THE COLUMN FACE ONLY.
  - LEVELS SHOWN ALONG WITH THE BEAM/COLUMN MARKINGS INDICATE THE TOP SURFACE OF SLAB/BEAM.
  - NEED A TOP BARS OVER SUPPORT FOR BEAMS & SLAB (EXCEPT WHERE SHOWN OTHERWISE).
  - BEAM SUPPORT SHALL BE CONCRETE AS AN RCC BEAM/SLAB SUPPORT UNLESS OTHERWISE STATED.
  - BEAM OR SLAB MUST BE MADE WITH MIN. CONCRETE GRADE BY WEIGHT OF CEMENT.
  - THE BEAM MUST BE CAST OVER R.F.C. OVER "COMPACTED GRADE".

**TITLE:-**  
**DETAILS OF FOUNDATION (GRID & COLUMN LAYOUT), DETAILS OF SECTIONAL REINFORCEMENT OF BEAM & TYPICAL FLOOR BEAM FRAMING PLAN WITH ALL SECTIONAL DETAILS ALONG WITH ALL NECESSARY DUCTILITY DETAILS OF REINFORCEMENT.**

SCALE: 1:100, 1:150, 1:10	DATE: 2023/10/10
DRAWN BY: ANUP KARAN	CHECKED BY: SANTI DUTTA
PROJECT:- FOUNDATION LAYOUT OF BEAM & TYPICAL FLOOR FRAMING PLAN, C/S LAB LAYOUT & DETAILS OF STAB	
DRG. NO.:- STRUCTURAL	

