LONGITUDINAL SECTION OF R.C. TIE BEAM (MKD – TB1)
ON LINE – A' – A' SCALE – 1:40

LONGITUDINAL SECTION OF R.C. TIE BEAM (MKD – TB2)
ON LINE – B – B SCALE – 1:40

LONGITUDINAL SECTION OF R.C. TIE BEAM (MKD – TB3)
ON LINE – F – F' SCALE – 1:40

LONGITUDINAL SECTION OF R.C. TIE BEAM (MKD – TB4)
ON LINE – H – H' SCALE – 1:40

LONGITUDINAL SECTION OF R.C. TIE BEAM
ON GRID – 3 – 4 SCALE – 1:40
NOTE – ON GRID – 3 – 4 (B-H) (B-C) (D-E) (F-G) (H-H') ARE SIMILAR

LONGITUDINAL SECTION OF R.C. TIE BEAM
ON GRID – 1 – 2 SCALE – 1:40
NOTE – ON GRID – 1 – 2 (A-A') (C-D) (E-F) (G-H) (H-H') ARE SIMILAR &
ON GRID – 1 – 2 (C-D) (A-A'-B-C) – (E-F-G-H) ARE SIMILAR

LONGITUDINAL SECTION OF R.C. TIE BEAM
ON GRID – 1 – 2 SCALE – 1:40
NOTE – ON GRID – 1 – 2 (A-A') (B-C) (E-F) (G-H) (H-H') ARE SIMILAR &
ON GRID – 1 – 2 (C-D) (A-A'-B-C) – (E-F-G-H) ARE SIMILAR

LONGITUDINAL SECTION OF R.C. TIE BEAM
ON GRID – 1 – 2 SCALE – 1:40
NOTE – ON GRID – 1 – 2 (A-A') (B-C) (E-F) (G-H) (H-H') ARE SIMILAR

LONGITUDINAL SECTION OF R.C. TIE BEAM
ON GRID – 1 – 2 SCALE – 1:40

SECTION – 1 – 1 | SECTION – 2 – 2 | SECTION – 3 – 3 | SECTION – 4 – 4 | SECTION – 5 – 5 | SECTION – 6 – 6

SECTION – 7 – 7 | SECTION – 8 – 8 | SECTION – 9 – 9

LONGITUDINAL SECTION OF R.C. TIE BEAM
ON GRID – 1 – 2 – 3 SCALE – 1:40

SCHEDULE OF R.C. COLUMN FOOTINGS

FDN. MKD.	SIZE (L X B)	FOOTING DEPTH	REINFORCEMENTS			
		d1	d2	LONG. DIR.	SHORT. DIR.	REMARKS
F1	2400 X 2400	300	200	12T @ 160 C/C	12T @ 160 C/C	ISOLATED FOOTING
F2	2800 X 2800	300	200	12T @ 130 C/C	12T @ 130 C/C	ISOLATED FOOTING
F2A	2400 X 3200	300	200	16T @ 200 C/C	12T @ 160 C/C	ISOLATED FOOTING
F3	3000 X 3000	300	200	16T @ 200 C/C	16T @ 200 C/C	ISOLATED FOOTING
F3A	2700 X 3200	300	200	16T @ 175 C/C	12T @ 150 C/C	ISOLATED FOOTING
F4	3000 X 3600	300	200	16T @ 200 C/C	12T @ 140 C/C	ISOLATED FOOTING
F5	2700 X 3200	300	200	16T @ 175 C/C	12T @ 150 C/C	ISOLATED FOOTING
F6	SHOWN IN DETAILS					COMBINED FOOTING

SCHEDULE OF R.C.C. COLUMNS

COLUMN MKD.	SIZE	FDN. TO 2ND FLR. REINFORCEMENTS	2ND FLR TO 4TH FLR. REINFORCEMENTS	4TH FLOOR TO ABOVE ROOF REINFORCEMENTS	LAP LEN.
C1	250 X 500	8-16T	8-16T	8-16T	40 DIA
C2	250 X 500	8-20T + 4-16T	8-16T	8-16T	40 DIA
C2A	250 X 500	8-20T	8-16T	8-16T	40 DIA
C4	250 X 600	8-20T	8-16T	8-16T	40 DIA
C6	250 X 500	8-20T	8-16T	8-16T	40 DIA

NOTE – 1. ALL DIMENSIONS ARE IN MM. UNLESS MENTIONED OTHERWISE.
2. THIS DRAWING IS TO BE READ IN COMPLICATION WITH ARCHITECTURAL DRAWING.
3. CLEAR COVER TO MAIN REINFORCEMENT :
a. GRADE OF STEEL – Fe 415 (I.S. 1 : 1 : 8 :)
b. GRADE OF CONCRETE – M 20
4. CLEAR COVER TO MAIN REINFORCEMENT :
(a) FOUNDATION AND COLUMNS – 40mm. (b) BEAMS – 25 mm.
5. LAP LENGTH – 50mm.
6. ALL BRICKS OF EXTERNAL WALLS ARE OF AAC BLOCKS.
7. LAP LENGTH – 50 X DIA OF BAR
8. THE DRAWING IS THE PROPERTY OF EVER RIGHT CONSTRUCTION. ANY DEVIATION FROM THE DRAWING IF IN DOUBT PLEASE CONTACT.
9. DO NOT SCALE THE DRAWING IF IN DOUBT PLEASE CONTACT.

PLINTH BEAM BAR OVER 500 THK WELL COMPACTED YELLOW SAND FOR ALL FOUNDATION

DETAILS OF FOUNDATION
MKD – F6 SCALE – 1:50

SECTION – M – M
SCALE – 1:40

SECTION – 1 – 1

SECTION – 2 – 2

TYP. DETAIL OF FOOTING MKD – F1
SCALE – 1:40

TYP. DETAIL OF FOOTING MKD – F2
SCALE – 1:40

DETAILS OF R.C. STAIR SLAB
(1ST FLOOR)
SCALE:40

DETAILS OF R.C. STAIR SLAB
(3RD, 5TH, 7TH FLOOR)
SCALE:40

DETAILS OF R.C. STAIR SLAB
(3RD, 5TH, 7TH FLOOR)
SCALE:40

LAYOUT PLAN OF FOUNDATION & TIE BEAM
SCALE – 1:100

9.0 MTR. (29' – 9") W I D E R O A D

3.048M (10'-0") WIDE COMMON PASSAGE

CERTIFICATE OF E.B.S.

THE E.B.S. HAS CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE PROPOSED BUILDING IS ADEQUATE AS WELL AS PROPER OF THE DESIGN, FOUNDATION, BUILDING & BUILDING MATERIALS AND THAT TIME TO TIME AND THAT THE SITE CONDITION (INCLUDING THE WIDTH OF THE ABUTTING ROAD CONFORM WITH THE PLAN AND IT IS A SOLID HOLD SITE AND NOT A TANK OR A FILLED UP TANK.

CHINMOY MUKHERJEE
Structural Engineer
E.B.S. No.-97/S/P/CON-1/2 Cl-A
A.M.I.E. No.-(F-1)-1-1-1