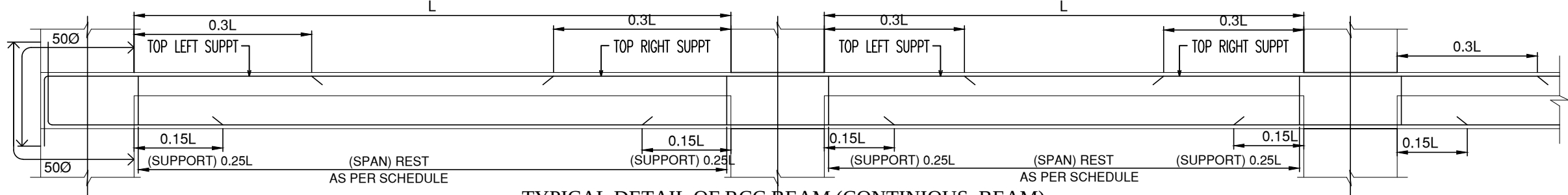
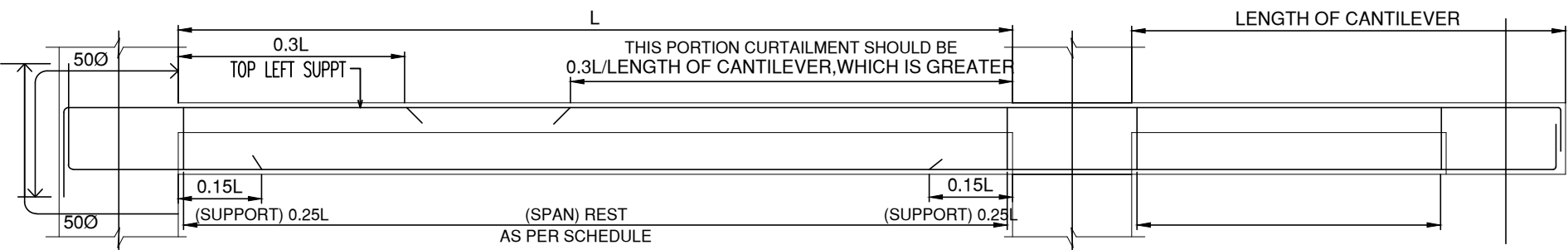




TYP. BEAM SECTION



TYPICAL DETAIL OF RCC BEAM (CONTINUOUS BEAM)

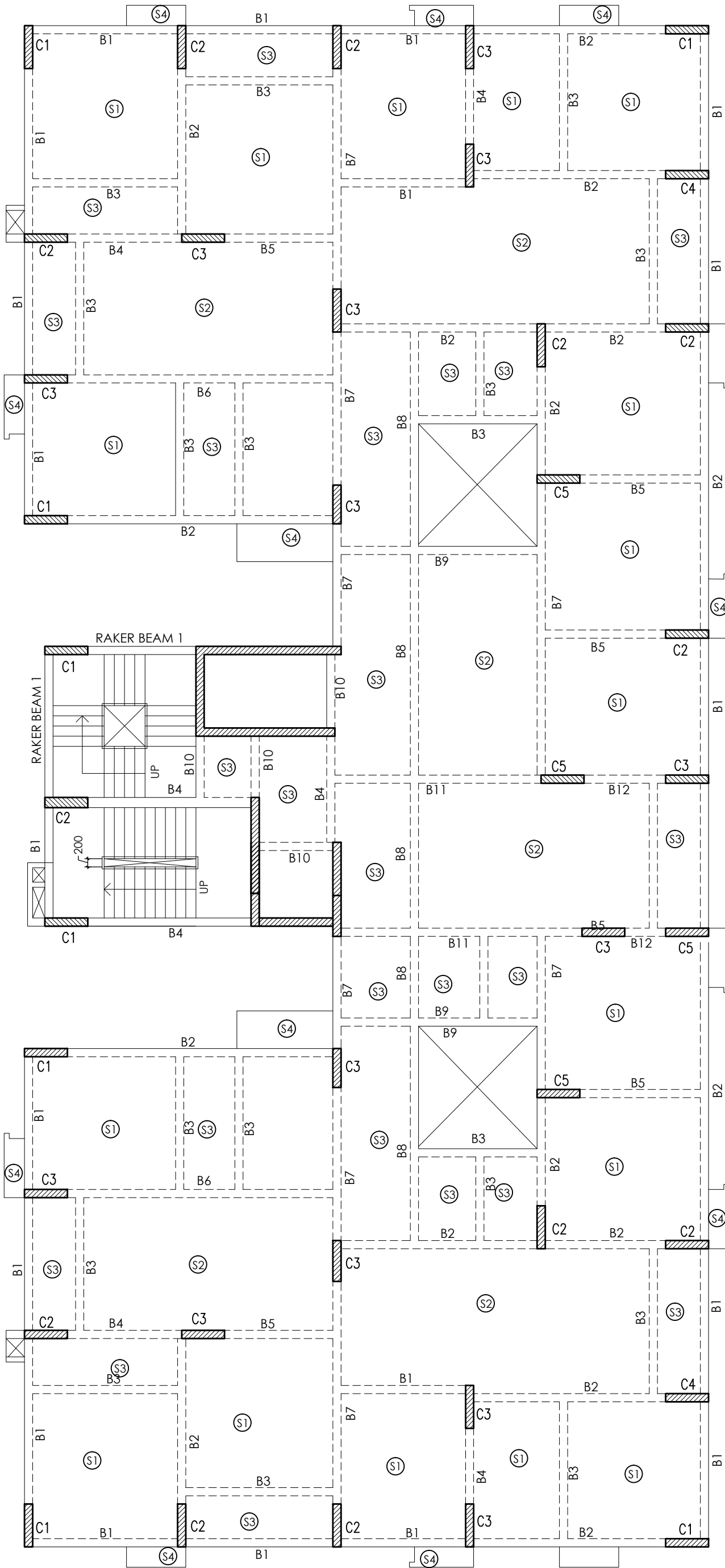


TYPICAL DETAIL OF RCC BEAM (CANTILEVER BEAM)

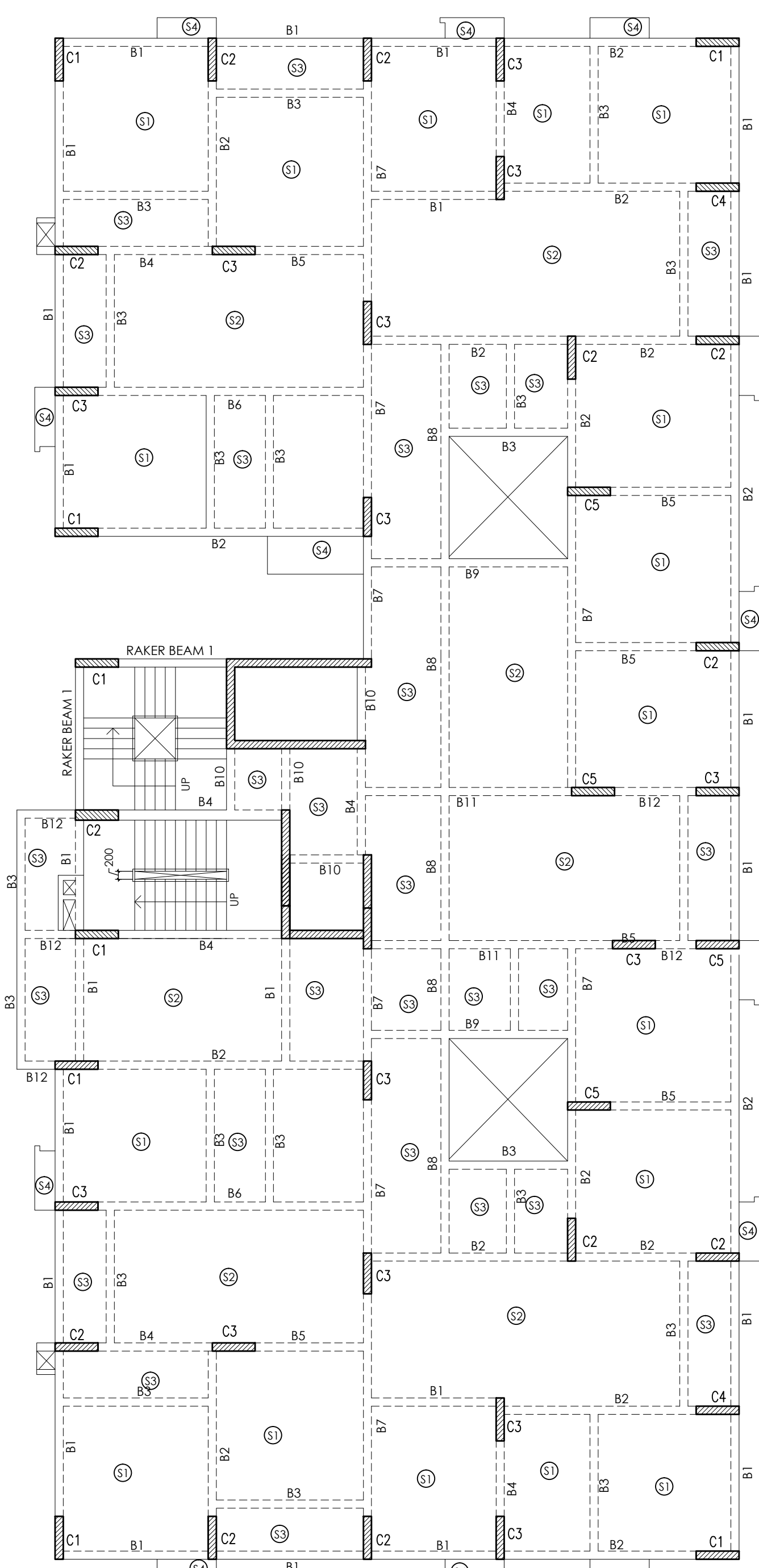
BEAM SCHEDULE

GRADE OF CONC.M-25

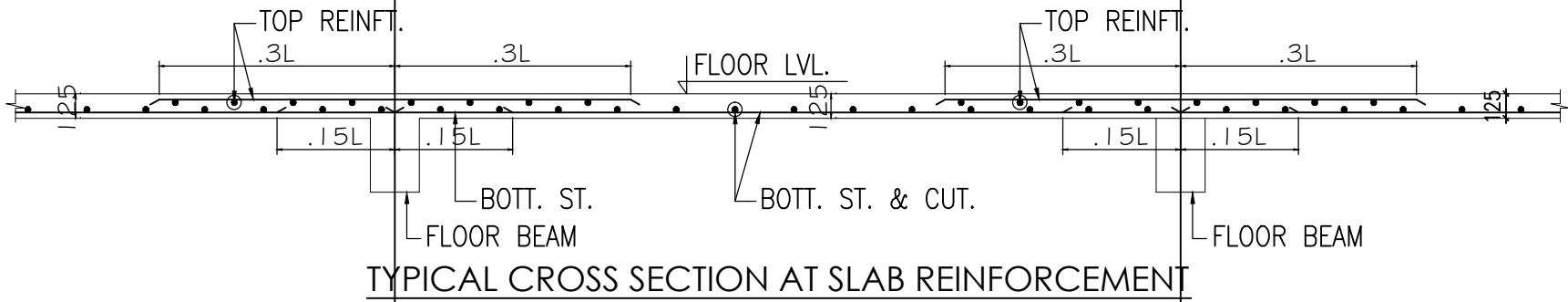
BEAM MKD.	SIZE	BOTTOM REINFORCEMENT			TOP REINFORCEMENT			STIRRUPS	
		LEFT SUPT.	MID SPAN	RIGHT SUPT.	LEFT SUPT.	MID SPAN	RIGHT SUPT.	SUPPORT	SPAN
B1	200X500	3-16TOR	3-16TOR	3-16TOR	2-16TOR+ 2-20TOR	2-16TOR	2-16TOR+ 2-20TOR	2L-8TOR@100C/C	2L-8TOR@150C/C
B2	200X500	3-16TOR	3-16TOR	3-16TOR	3-16TOR+ 2-20TOR	2-16TOR	3-16TOR+ 2-20TOR	2L-8TOR@100C/C	2L-8TOR@150C/C
B3	200X500	3-16TOR	3-16TOR	3-16TOR	2-12TOR	2-12TOR	2-12TOR	2L-8TOR@150C/C	2L-8TOR@150C/C
B4	200X500	4-20TOR	4-20TOR	4-20TOR	4-20TOR	2-20TOR	4-20TOR	2L-8TOR@100C/C	2L-8TOR@150C/C
B5	200X500	2-16TOR+ 1-20TOR	2-16TOR+ 1-20TOR	2-16TOR+ 1-20TOR	4-20TOR	2-20TOR	2-20TOR	2L-8TOR@100C/C	2L-8TOR@150C/C
B6	200X500	2-25TOR	2-25TOR+ 1-20TOR	2-25TOR	6-20TOR	2-20TOR	2-20TOR	2L-8TOR@75C/C	2L-8TOR@75C/C
B7	200X500	2-25TOR+ 1-20TOR	2-25TOR+ 1-20TOR	2-25TOR+ 1-20TOR	5-20TOR	2-20TOR	5-20TOR	2L-8TOR@75C/C	2L-8TOR@75C/C
B8	200X500	3-16TOR	3-16TOR	3-16TOR	3-16TOR	2-16TOR	3-16TOR	2L-8TOR@100C/C	2L-8TOR@150C/C
B9	200X500	2-20TOR	3-20TOR	2-20TOR	2-16TOR	2-16TOR	2-16TOR	2L-8TOR@100C/C	2L-8TOR@150C/C
B10	200X500	3-20TOR	3-20TOR	3-20TOR	3-20TOR	3-20TOR	3-20TOR	2L-8TOR@100C/C	2L-8TOR@100C/C
B11	200X500	2-25TOR	2-25TOR+ 1-20TOR	2-25TOR	2-20TOR	2-20TOR	6-20TOR	2L-8TOR@100C/C	2L-8TOR@100C/C
B12	200X500	2-25TOR	2-25TOR	2-25TOR	6-20TOR	6-20TOR	6-20TOR	2L-8TOR@100C/C	2L-8TOR@100C/C
RAKER BEAM 1	200X500	2-25TOR+ 1-20TOR	2-25TOR+ 1-20TOR	2-25TOR+ 1-20TOR	2-25TOR+ 1-20TOR	2-25TOR+ 1-20TOR	2-25TOR+ 1-20TOR	2L-8TOR@100C/C	2L-8TOR@100C/C



TYP. FLOOR BEAM LAYOUT

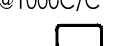


7TH & 10TH FLOOR BEAM LAYOUT



TYPICAL CROSS SECTION AT SLAB REINFORCEMENT

SCHEDULE OF FLOOR AND ROOF SLAB

PANNEL MARKED	REINFORCEMENT IN SHORTER DIRECTION		REINFORCEMENT IN LONGER DIRECTION		BINDER	REMARKS
	SPAN	SUPPORT	SPAN	SUPPORT		
S1 (120 THICK)	8 Φ . @ 150 C/C ALT. ST. & CUT	8 Φ . @ 150 C/C EXTRA TOP	8 Φ . @ 150 C/C ALT. ST. & CUT	8 Φ . @ 150 C/C EXTRA TOP	8 Φ @ 300 C/C AS & WHEN NECESSARY CHAIRS SHOULD BE PROVIDED 8 T 8 Φ @ 100C/C  8 Φ. @ 250 C/C	ALL BOTTOM ROD SHOULD BE ALT. CRANKED AT SUPPORT. TEMP. REINF. ARE TO BE USED AT ROOF 8 Φ . @ 300 C/C AT TOP. CONC. GRADE - M-25 TOR STEEL - Fe-500 LAP LENGTH - 50 Φ OF ROD
S2 (140 THICK)	8 Φ . @ 150 C/C ALT. ST. & CUT	8 Φ . @ 150 C/C EXTRA TOP	8 Φ . @ 150 C/C ALT. ST. & CUT	8 Φ . @ 150 C/C EXTRA TOP		
S3 (120 THICK)	8 Φ . @ 150 C/C (TOP & BOTTOM)	8 Φ . @ 150 C/C (TOP & BOTTOM)	8 Φ . @ 200 C/C (TOP & BOTTOM)	8 Φ . @ 200 C/C (TOP & BOTTOM)		
S4 (150 THICK)	8 Φ . @ 150 C/C (BOTTOM)	10 Φ T. @ 100 C/C EXTRA TOP	8 Φ . @ 150 C/C (TOP & BOTTOM)	8 Φ . @ 150 C/C (TOP & BOTTOM)		
WEST SLAB (160 THICK)	12 Φ . @ 150 C/C (AT LONG SPAN) 8 Φ . BINDER @ 200 C/C (AT SHORTER SPAN)					
<u>NOTE:-</u> a - 8 T @ 150 C/C (ALT. ST. & CUT), b - 8 T @ 150 C/C (ALT. ST. & CUT), c - 8 T @ 150 C/C (EXTRA TOP), d - 8 T @ 150 C/C (EXTRA TOP), c1 - 8 T @ 150 C/C (TOP & BOTTOM) d1 - 8 T @ 150 C/C (TOP & BOTTOM) e - 8 T @ 200 C/C (TOP & BOTTOM), f - 10 T @ 100 C/C (EXTRA TOP), CRANK LENGTH - 0.2L + EXTRA TOP LENGTH - 0.3L 'L' = C/C DISTANCE OF BEAM.						

STRUCTURAL DRAWING

NOTE :-

- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
- CLEAR COVER TO BE MAIN REINFORCEMENT
 - COLUMN - 40 MM.
 - FOUNDATION BEAM - 50 MM.
 - FLOOR BEM AND SLAB (TOP AND BOTTOM SIDE) - 25 MM.
 - SLAB - 20 MM.
 - STAIR WAIST SLAB - 20 MM.
 - WATER TANK - 25 MM.
- CONCRETE GRADE - M-25
COL. GRADE - M-30(UPTO 2ND FL.) REST M-25
- TOR STEEL - Fe-500 (IS - 1786)
- LAP LENGTH : COLUMN - 50 Ø, BEAM - 50 Ø, Ø IS THE SMALLEST DIA.
- ALL BINDERS - 8 Ø T. @300 C/C WHERE NECESSARY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING.
- BEARING CAPACITY OF SOIL - AS PER SOIL REPORT.
- WRITTEN DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE SCALED OFF.

PROJECT

PROPOSED G+XII STORIED RESIDENTIAL COMPLEX COMPRISING TOWER-01 & 02 IN FAVOR OF MR. MAINAK CHAKRABORTY, S/O- LT. AMALENDU CHAKRABORTY AT MOUZA- 07 NO BALINDI, DAG NO-LR- 1516,1517,1518, 1523, 1524, 1537, 1538 KHATIAN NO-LR- 2134,2145,2143,2135,2136,2137,2138,2139,2141,2142,2144,1203,1206, WARD NO-06,HOLDING NO-175C,RABINDRA COLONY,J.L. NO-07, P.O. & P.S.- HARINGHATA, DIST- NADIA, PIN- 741246 STATE- WEST BENGAL, UNDER HARINGHATA MUNICIPALITY.

CERTIFICATION OF STRUCTURAL ENGINEER

NAME /SIGN. OF THE STRUCTURAL ENGINEER

CERTIFICATION OF ARCHITECT

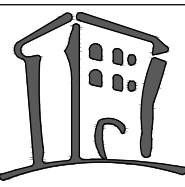
I DO HEREBY CERTIFY THAT PLANS, ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED BUILDING HAVE BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT PROVISIONS UNDER THE WB MUNICIPAL (BUILDING) RULES, 2007 UNLESS OTHERWISE MENTIONED.

SIGNATURE OF ARCHITECT

SIGNATURE OF APPLICANT

SIGNATURE OF APPLICANT

STRUCTURAL DRAWING:-
TYP. FLOOR BEAM BEAM LAYOUT & DETAILS
TOWER-1



SCALE USED IN DRAWING:-

1:100, 25

DATE:-

26.05.25



DWAOWN BY:-

P.M.

DRAWING NO. -

KAL/TW-1 / STRUC / 03