

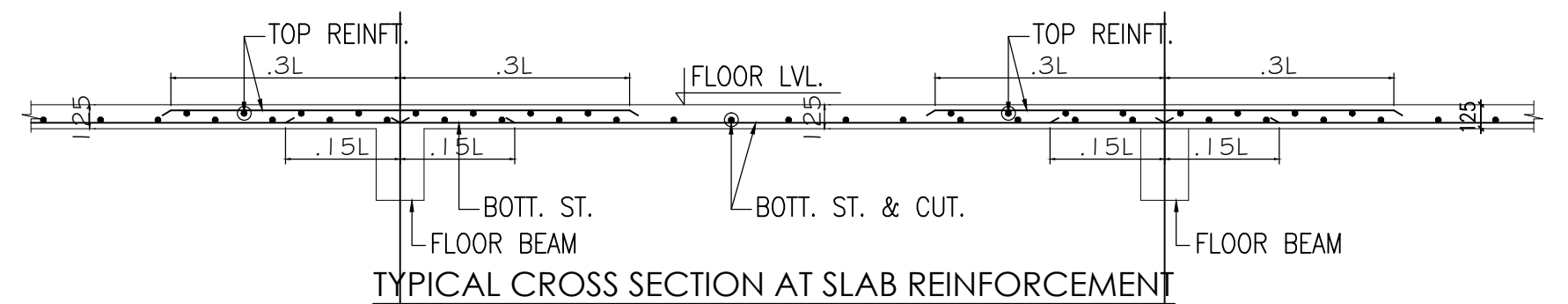
TYPICAL DETAIL OF RCC BEAM (CONTINUOUS BEAM)

The diagram illustrates the reinforcement layout for a continuous beam over multiple supports. Key details include:

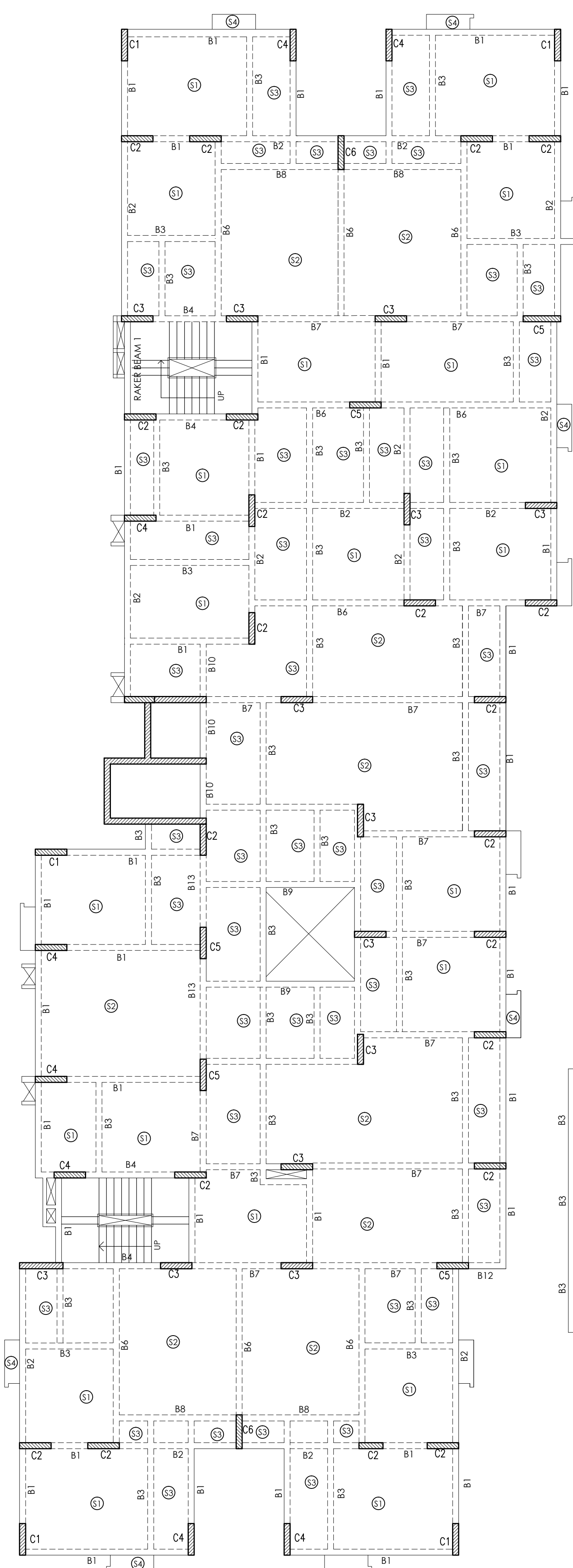
- Reinforcement Bars:** Top bars (0.3L) and bottom bars (0.15L) are shown.
- Span Rests:** Indicated as "(SPAN) REST AS PER SCHEDULE".
- Supports:** Indicated as "(SUPPORT) 0.25L".
- Development Lengths:** 0.3L for top bars and 0.15L for bottom bars.
- Length of Cantilever:** Indicated as "LENGTH OF CANTILEVER".
- Note:** "THIS PORTION CURTAILMENT SHOULD BE 0.3L/LENGTH OF CANTILEVER, WHICH IS GREATER".

GRADE OF CONC.M-25

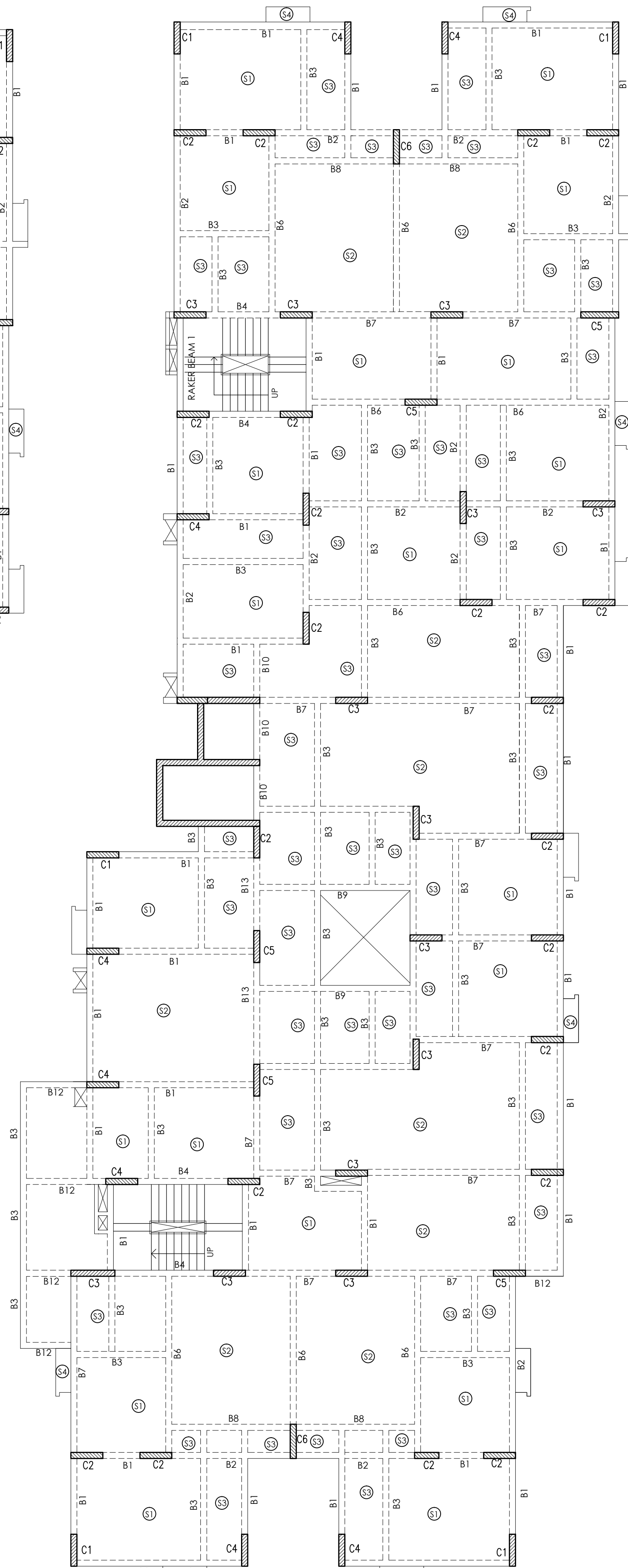
BEAM MKD.	SIZE	BOTTOM REINFORCEMENT			TOP REINFORCEMENT			STIRRUPS	
		LEFT SUPT.	MID SPAN	RIGHT SUPT.	LEFT SUPT.	MID SPAN	RIGHT SUPT.	SUPPORT	SPAN
B1	200X500	3-16TOR	3-16TOR	3-16TOR	2-16TOR+ 2-20TOR	2-16TOR	2-16TOR+ 2-20TOR	2L-8TOR@100C/C	2L-8TOR@150C/C
B2	200X500	3-16TOR	3-16TOR	3-16TOR	3-16TOR+ 2-20TOR	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	5-20TOR	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
B13	200X500	4-25TOR	4-25TOR	4-25TOR	4-25TOR+ 1-20TOR	2-25TOR	4-25TOR+ 1-20TOR	2L-8TOR@75C/C	2L-8TOR@75C/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



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 Φ	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 TOP 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	 @ 1000C/C	
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)	8 Φ . @ 250 C/C	
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)					
NOTE:-						
a - 8 T @ 150 C/C (ALT. ST. & CUT),			c1 - 8 T @ 150 C/C (TOP & BOTTOM)			
b - 8 T @ 150 C/C (ALT. ST. & CUT),			d1 - 8 T @ 150 C/C (TOP & BOTTOM)			
c - 8 T @ 150 C/C (EXTRA TOP),			e - 8 T @ 200 C/C (TOP & BOTTOM),			
d - 8 T @ 150 C/C (EXTRA TOP)			f - 10 T @ 100 C/C (EXTRA TOP),			
CRANK LENGTH - 0.2L & EXTRA TOP LENGTH - 0.3L 'L' = C/C DISTANCE OF BEAM.						



TYP. FLOOR BEAM LAYOUT



7TH & 10TH FLOOR BEAM LAYOUT

NOTE :-

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. CLEAR COVER TO BE MAIN REINFORCEMENT
 - a) COLUMN - 40 MM.
 - b) FOUNDATION BEAM - 50 MM.
 - c) FLOOR BEAM AND SLAB (TOP AND BOTTOM SIDE) - 25 MM.
 - d) SLAB - 20 MM.
 - e) STAIR WAIST SLAB - 20 MM.
 - f) WATER TANK - 25 MM.
3. CONCRETE GRADE - M-25
COL. GRADE - M-30 (UPTO 2ND FL.) REST M-25
4. TOR STEEL - Fe-500 (IS - 1786)
5. LAP LENGTH : COLUMN - 50 ϕ , BEAM - 50 ϕ , ϕ IS THE SMALLEST DIA.
6. ALL BINDERS - 8 ϕ T. @300 C/C WHERE NECESSARY.
7. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING.
8. BEARING CAPACITY OF SOIL - AS PER SOIL REPORT.
9. 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-2



NIRMAN CONSUMERS
AL-5, ST. NO. 7, ACTION AREA-1
RAJAPHAT, KOLKATA-700

NIRMAN CONSULTANTS

SCALE USED IN DRAWING:-
1:100, 25

DATE:-	26.05.25
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KAL/TW-2 / STRUC / 03