

NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS, LEVELS AND CO-ORDINATES ARE IN METERS.
- ELEVATION (+)0.00 CORRESPONDS TO FINISHED GROUND LEVEL AND THAT REFERS TO RL 100.300M.
- ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. DO NOT SCALE THE DRAWING.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH 3BHK APARTMENT ARCHITECTURAL DRAWING KEC-SB937-GR-91-3001 TO 3003 (LATEST REVISION).
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS BELOW:
a) FOR COLUMN = 40mm.
b) FOR BEAM = 25MM
- ALL STRUCTURAL CONCRETE SHALL BE OF M25 GRADE.
- ALL STRUCTURAL STEEL SHALL BE OF Fe 500 GRADE.
- LAP LENGTH SHALL BE 50 TIMES THE DIAMETER OF BAR.

LEGEND

- T.O.C — TOP OF CONCRETE.
T.O.B — TOP OF BEAM.
RB — ROOF BEAM
- 2L 8 $\varnothing$ 100
SPACING OF BAR IN MM
HYSD BARS CONFORMING TO IS:1786
DIA OF BAR IN MM
2 LEGGED
- RB1 (230x450)
DEPTH OF BEAM IN mm
WIDTH OF BEAM IN mm
BEAM MARK

REFERENCE DRAWINGS

- KEC-SB937-GR-01-1001 — OVERALL GENERAL ARRANGEMENT LAYOUT PLAN.
- KEC-SB937-GR-90-0002 — OVERALL FOUNDATION LAYOUT.
- KEC-SB937-GR-93-3001 TO 3003 — 3BHK APARTMENT ARCHITECTURAL DRAWING.
- KEC-SB937-GR-92-3001 — FOUNDATION LAYOUT & COLUMN DETAILS FOR 3BHK.

Bihar State Power Transmission Company Limited (BSPTCL)

Title: GA & R.C.C. DETAIL OF ROOF BEAM AND SLAB FOR 3BHK APRTMENT

Drg.No.:- CD_3BHK21- 12

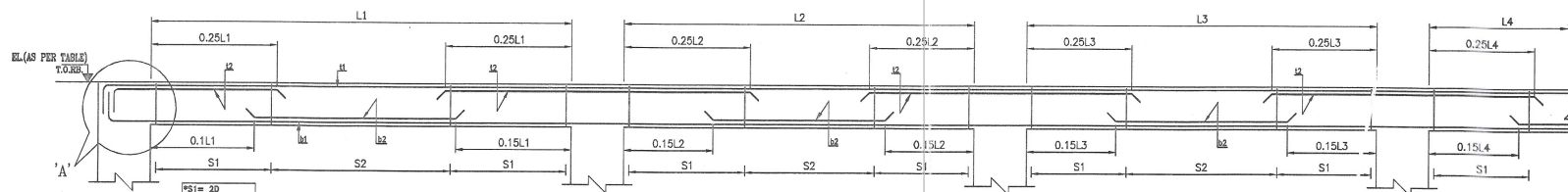
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Sheet: 01 OF 02

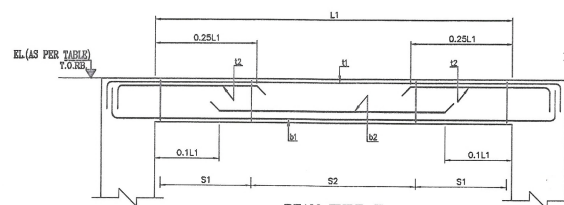
SCHEDULE OF ROOF BEAMS

BEAM MARKED	BEAM TYPE	SIZE		REINFORCEMENT (ϕ)				STIRRUPS (ϕ)		LEVEL (T.O.R)
				BOTTOM R/F.		TOP R/F.		2 LEGGED		
		B	D	(b1)	(b2)	(t1)	(t1)	S1	S2	
RB1	II	230	300	3-12 ϕ	-	2-16 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB2	II	230	300	3-12 ϕ	-	2-16 ϕ	-	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB3	III	230	300	3-12 ϕ	-	2-16 ϕ	-	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB4	II	230	300	3-12 ϕ	-	3-12 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB5	I	230	300	3-12 ϕ	-	3-12 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB6	III	230	300	3-12 ϕ	-	3-12 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB7	I	230	300	3-12 ϕ	-	3-12 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB8	I	230	300	3-12 ϕ	-	3-12 ϕ	-	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB9	I	230	300	3-12 ϕ	-	3-12 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB10	II	230	300	3-12 ϕ	2-12 ϕ	3-16 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB11	I	230	300	3-12 ϕ	-	3-16 ϕ	-	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB12	I	230	300	3-12 ϕ	2-12 ϕ	3-16 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB13	III	230	300	3-12 ϕ	-	3-12 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB14	I	230	300	3-12 ϕ	2-12 ϕ	3-16 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M
RB15	I	230	300	3-12 ϕ	-	3-16 ϕ	2-12 ϕ	8ϕ100 C/C	8ϕ125 C/C	(+).6.55M

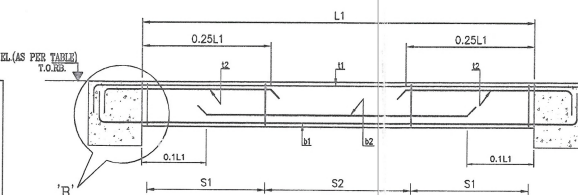
ROOF BEAM LAYOUT (T.O.RB (+).6.55M)
(SCALE 1:100)



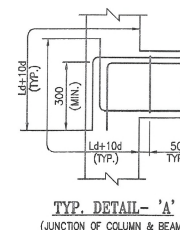
BEAM TYPE-I (MULTI SPAN BEAMS)



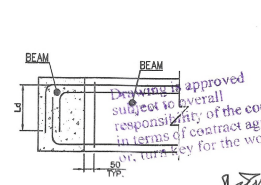
BEAM TYPE-II



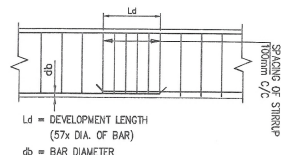
BEAM TYPE-III



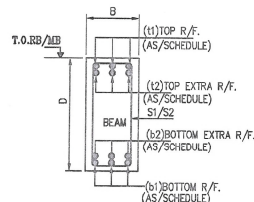
TYP. DETAIL- 'A'
(JUNCTION OF COLUMN & BEAM)



TYP. DETAIL- 'B'
(JUNCTION OF BEAM WITH BEAM)



TYPICAL DETAIL OF ARRANGEMENT OF STIRRUPS AT SPLICE LOCATION IN BEAM



TYP. SECTION OF RB & MB

23.01.2020
Assistant Engineer (Civil)
BSPTCL

24.01
Executive Engineer (Civil)
B.S.P.T.C.L.

Chief Engineer
BSPTCL

Superintending
BS