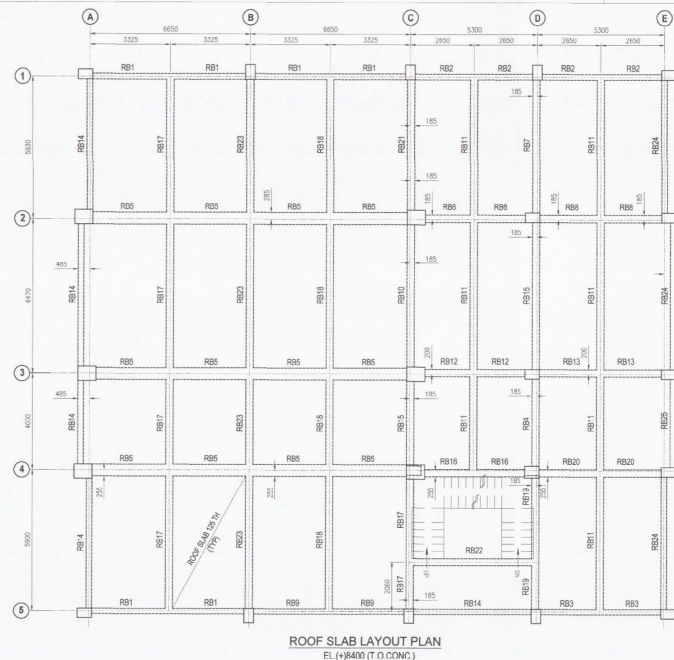
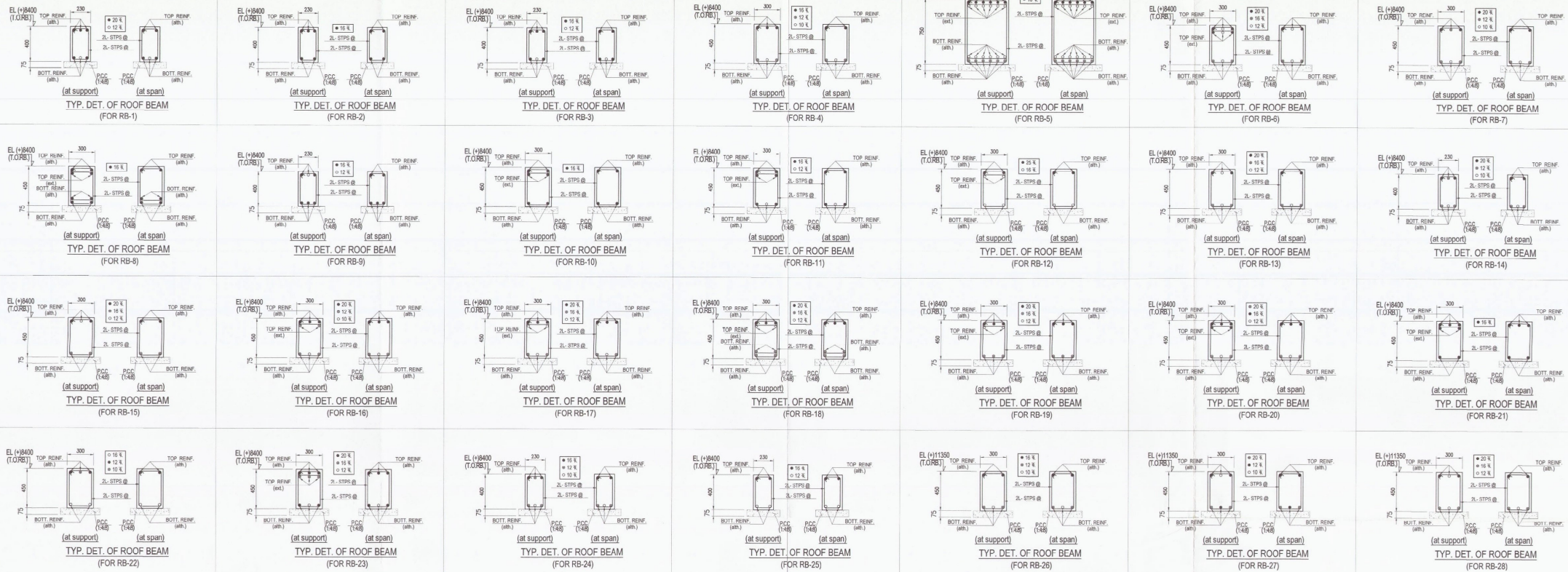
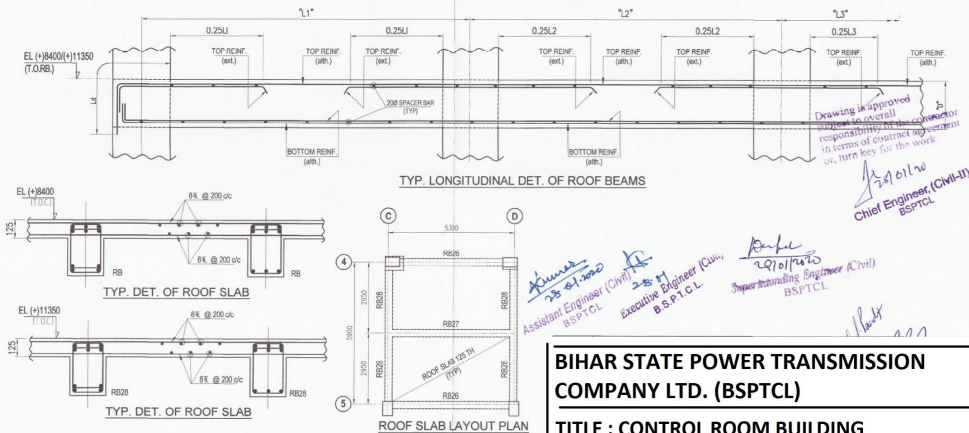




SCHEDULE OF R.C. ROOF BEAM

SL. NO.	BEAM MKD.	SIZE	D (mm)	REINFORCEMENTS				STIRRUPS
				TOP	BOTTOM	TOP	BOTTOM	
				(support)	(span)	(support & span)		
1	RB-1	230	400	2-20K + 1-20K	2-20K	2-20K	1-12K	2L-8K @ 135 cc
2	RB-2	230	400	2-16K + 1-16K	2-16K	2-16K	-	2L-8K @ 135 cc
3	RB-3	230	400	2-16K + 1-16K	2-16K	2-16K	1-12K	2L-8K @ 135 cc
4	RB-4	300	450	2-16K + 1-16K	2-16K	2-16K	1-10K	2L-8K @ 165 cc
5	RB-5	500	750	6-25K + 6-16K	6-25K + 6-16K	6-20K	6-16K	2L-12K @ 140 cc
6	RB-6	300	450	4-20K + 2-12K	2-20K + 1-12K	2-16K	1-12K	2L-8K @ 165 cc
7	RB-7	300	450	2-20K + 1-12K	2-20K	2-12K	1-10K	2L-8K @ 135 cc
8	RB-8	300	450	2-16K + 2-16K	2-16K	2-16K	2-16K	2L-8K @ 165 cc
9	RB-9	230	400	2-16K + 1-12K	2-16K	2-16K	1-10K	2L-8K @ 135 cc
10	RB-10	300	450	2-16K + 2-16K	2-16K	2-16K	-	2L-8K @ 165 cc
11	RB-11	300	450	2-16K + 2-16K	2-16K	2-16K	1-12K	2L-8K @ 165 cc
12	RB-12	300	450	2-25K + 2-16K	2-25K	2-16K	-	2L-8K @ 165 cc
13	RB-13	300	450	2-20K + 1-12K	2-20K	2-16K	1-12K	2L-8K @ 165 cc
14	RB-14	230	400	2-20K + 1-12K	2-20K	2-12K	1-10K	2L-8K @ 135 cc
15	RB-15	300	450	2-20K + 1-12K	2-20K	2-16K	-	2L-8K @ 165 cc
16	RB-16	300	450	3-20K + 2-12K	3-20K	2-12K	1-10K	2L-8K @ 165 cc
17	RB-17	300	450	3-20K + 2-12K	3-20K	2-16K	1-12K	2L-8K @ 140 cc
18	RB-18	300	450	3-20K + 2-12K	3-20K	2-16K	2-16K	2L-8K @ 140 cc
19	RB-19	300	450	3-20K + 2-12K	3-20K	2-16K	1-16K	2L-8K @ 165 cc
20	RB-20	300	450	3-16K + 2-16K	3-16K	2-20K	1-12K	2L-8K @ 165 cc
21	RB-21	300	450	3-16K + 2-16K	3-16K	2-16K	-	2L-8K @ 165 cc
22	RB-22	300	450	2-12K + 1-10K	2-12K	2-16K	-	2L-8K @ 165 cc
23	RB-23	300	450	3-20K + 3-16K	3-20K	2-20K	1-12K	2L-8K @ 165 cc
24	RB-24	230	400	2-16K + 1-12K	2-16K	2-12K	1-10K	2L-8K @ 135 cc
25	RB-25	230	400	2-16K	2-16K	2-12K	-	2L-8K @ 135 cc
26	RB-26	300	450	2-16K	2-16K	2-12K	1-10K	2L-8K @ 165 cc
27	RB-27	300	450	2-12K + 1-10K	2-12K	2-20K	1-12K	2L-8K @ 165 cc
28	RB-28	300	450	2-20K + 1-12K	2-20K	2-16K	1-12K	2L-8K @ 165 cc



NOTES:-

- ALL DIMENSIONS & LEVELS ARE IN MM. UNLESS NOTED OTHERWISE.
- CONCRETE GRADE SHALL BE AS FOLLOWS:-
 - BINDING CONCRETE MIX PROPORTION (1:4:8)
 - R.C.C. WORK MIX PROPORTION (M-20)
- CLEAR COVER TO MAIN RE-INFORCEMENTS SHALL BE AS FOLLOWS:-
 - SLAB - 20 mm.
 - BEAM - 25 mm.
- REINFORCEMENTS SHALL BE HIGH YIELD STRENGTH DEFORMED TMT BARS OF CHARACTERISTICS STRENGTH $F_y = 500$ N/mm².
- MINIMUM ANCHORAGE LENGTH AND LAP OF BARS SHALL BE 50X DIA OF BARS.
- BARS TO BE LOCALLY ADJUSTED TO AVOID OUT. POCKETS ETC.
- LAPS IN REINFORCEMENT TO BE PROVIDED IN STAGGERED LOCATION.

BIHAR STATE POWER TRANSMISSION
COMPANY LTD. (BSPTCL)

TITLE : CONTROL ROOM BUILDING
ROOF BEAM AND ROOF SLAB
LAYOUT & DETAILS

DWG. NO.	CD_220KVCRB_04-06
SCALE : 1 : 100	SHEET - 04 OF 05