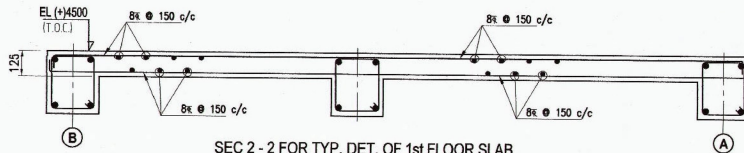
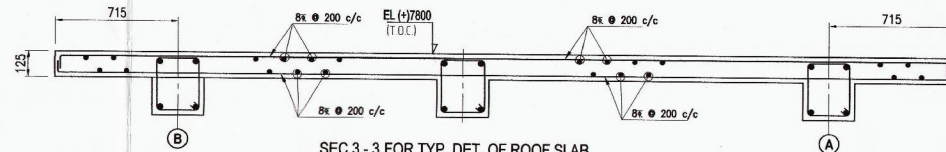


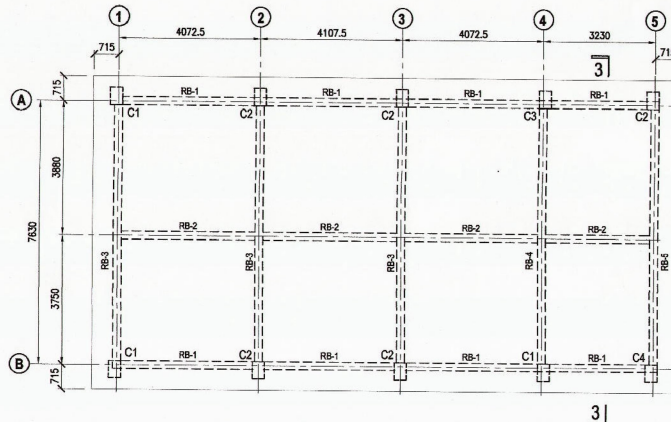
TYP. LONGITUDINAL DET. OF FLOOR & ROOF BEAMS



SEC 2-2 FOR TYP. DET. OF 1st FLOOR SLAB



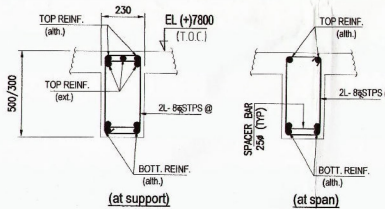
SEC 3-3 FOR TYP. DET. OF ROOF SLAB



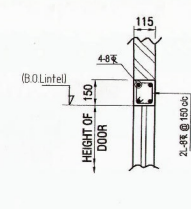
ROOF BEAM LAYOUT PLAN AT EL. (+) 7800 (T.O.C.)
SLAB THICKNESS = 125mm

SCHEDULE OF ROOF BEAM

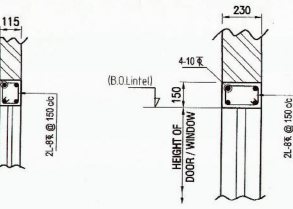
BEAM MKD.	B (mm)	D (mm)	REINFORCEMENTS			STPS
			TOP (support)	TOP (span)	BOTTOM (support & span)	
RB-1	230	300	2-16 Φ + 1-12 Φ	2-16 Φ	2-10 Φ	2L-8 Φ @ 110 c/c
RB-2	230	300	2-12 Φ + 1-10 Φ	2-12 Φ	2-12 Φ	2L-8 Φ @ 110 c/c
RB-3	230	500	2-20 Φ + 2-16 Φ	2-20 Φ	2-16 Φ + 2-10 Φ	2L-8 Φ @ 110 c/c
RB-4	230	500	2-20 Φ + 1-20 Φ	2-20 Φ	2-16 Φ + 2-10 Φ	2L-8 Φ @ 110 c/c
RB-5	230	500	2-20 Φ + 2-16 Φ	2-20 Φ	2-16 Φ + 2-10 Φ	2L-8 Φ @ 110 c/c



TYP. DET. OF ROOF BEAM
(as applicable)



DET. OF PIECE LINTEL
(over 115 th bk. wall)



DET. OF PIECE LINTEL
(over 230 th bk. wall)

NOTES:-

- ALL DIMENSIONS ARE IN mm & LEVELS ARE IN M, UNLESS NOTED OTHERWISE.
- E.L. (+)0.00 CORRESPONDENCE TO F.G.L.
- GRADE OF R.C.C.: M-20
- CLEAR COVER TO MAIN RE-INFORCEMENTS:-
a) FLOOR & ROOF BEAM - 25mm, d) SLAB - 20mm.
- Φ DENOTES HIGH YIELD STRENGTH DEFORMED TMT BARS OF CHARACTERISTICS STRENGTH Fe-500 N/mm².
- MINIMUM ANCHORAGE LENGTH OF BARS SHALL BE 50 x DIA OF BARS.
- BARS TO BE LOCALLY ADJUSTED TO AVOID CUT OUTS, POCKETS, INSERTS ETC.
- LAP LENGTH = 50 x DIA OF BARS IN STAGGERED POSITIONS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH TECHNICAL SPECIFICATIONS.

Bihar State Power Transmission Company Limited (BSPTCL)

Title: FPH BUILDING - 1st FLOOR & ROOF BEAM LAYOUT PLAN & DETAILING

Drg.No.:- CD_FPHBLDG_06-01

Scale:

1:100

Sheet:

02 OF 03

Drawing is approved subject to overall responsibility of the contractor in terms of contract agreement or, turn key for the work.

Chief Engineer (Civil)
BSPTCL

21-12-2020
Assistant Engineer (Civil)
BSPTCL

22-12-2020
Executive Engineer (Civil)
BSPTCL

23/12/2020
Superintending Engineer (Civil)
BSPTCL

2513330 shall be applicable for details of roof.