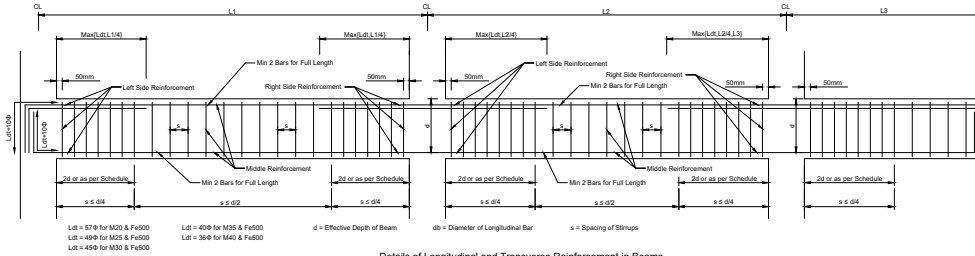


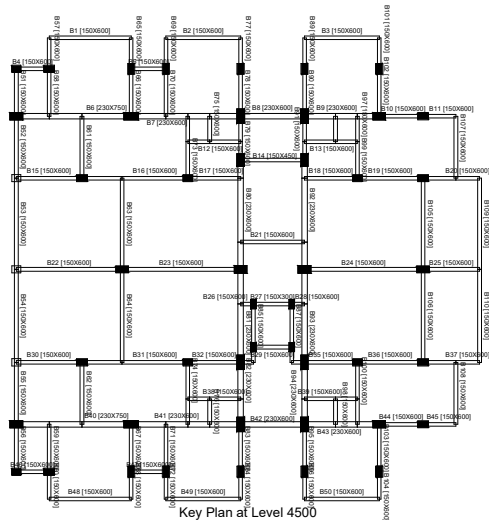
akses RCBD DXF Output

Schedule of Beams at Level - 4500

Beam Numbers	fck	Size	fy	fy	Left/Upper End Reinforcement			Middle Reinforcement			Right/Lower End Reinforcement			Remark
					Top	Bottom	Stirrups	Top	Bottom	Stirrups	Top	Bottom	Stirrups	
B1, B48	25	150 x 600	500	415	2-10mm	2-12mm	3 - 8mm 2 Lgd @300mm c/c	2-10mm	2-12mm	5 - 8mm 2 Lgd @300mm c/c	2-10mm	2-12mm	3 - 8mm 2 Lgd @300mm c/c	-
B2, B3, B49, B50	25	150 x 600	500	415	2-10mm	2-12mm	3 - 8mm 2 Lgd @300mm c/c	2-10mm	2-12mm	4 - 8mm 2 Lgd @300mm c/c	2-10mm	2-12mm	3 - 8mm 2 Lgd @300mm c/c	-
B4, B5, B29, B46, B47	25	150 x 600	500	415	2-10mm	2-12mm	1 - 8mm 2 Lgd @300mm c/c	2-10mm	2-12mm	3 - 8mm 2 Lgd @300mm c/c	2-10mm	2-12mm	1 - 8mm 2 Lgd @300mm c/c	-
B6, B40	25	230 x 750	500	415	3-16mm 3-16mm	2-12mm 3-16mm	14 - 10mm 2 Lgd @100mm c/c	3-16mm	2-12mm 3-16mm	13 - 10mm 2 Lgd @150mm c/c	3-16mm 3-16mm 2-16mm	2-12mm 2-16mm	14 - 10mm 2 Lgd @100mm c/c	-
B7, B41	25	230 x 600	500	415	3-16mm 2-16mm	2-16mm 2-16mm	11 - 10mm 2 Lgd @100mm c/c	3-16mm	2-16mm 2-12mm	19 - 10mm 2 Lgd @125mm c/c	3-16mm 2-16mm 2-12mm	2-16mm 2-16mm	11 - 10mm 2 Lgd @100mm c/c	-
B8, B42	25	230 x 600	500	415	3-16mm 2-16mm	2-16mm 2-16mm	11 - 10mm 2 Lgd @100mm c/c	2-16mm	2-16mm 2-16mm	4 - 10mm 2 Lgd @125mm c/c	3-16mm 2-16mm 2-12mm	2-16mm 2-16mm	11 - 10mm 2 Lgd @100mm c/c	-
B9, B43	25	230 x 600	500	415	3-16mm 3-16mm	2-16mm 3-16mm	11 - 10mm 2 Lgd @100mm c/c	3-16mm	2-16mm 3-16mm	9 - 10mm 2 Lgd @100mm c/c	3-16mm 3-16mm 2-12mm	2-16mm 2-16mm 3-16mm	15 - 10mm 2 Lgd @75mm c/c	-
B10, B44	25	150 x 600	500	415	2-12mm	3-12mm	2 - 8mm 2 Lgd @300mm c/c	2-12mm 2-12mm	3-12mm	2 - 8mm 2 Lgd @300mm c/c	2-12mm 2-12mm	3-12mm	2 - 8mm 2 Lgd @300mm c/c	-
B11, B45	25	150 x 600	500	415	2-12mm 2-12mm	3-12mm	1 - 8mm 2 Lgd @300mm c/c	2-12mm 2-12mm	3-12mm	3 - 8mm 2 Lgd @300mm c/c	2-12mm 2-12mm	3-12mm	1 - 8mm 2 Lgd @300mm c/c	-
B12, B13, B17, B18, B32, B35, B38 B39, B51, B56	25	150 x 600	500	415	2-10mm	2-12mm	2 - 8mm 2 Lgd @300mm c/c	2-10mm	2-12mm	3 - 8mm 2 Lgd @300mm c/c	2-10mm	2-12mm	2 - 8mm 2 Lgd @300mm c/c	-
B14	25	150 x 450	500	415	2-10mm	3-12mm	2 - 8mm 2 Lgd @300mm c/c	2-10mm	3-12mm	5 - 8mm 2 Lgd @300mm c/c	2-10mm	3-12mm	2 - 8mm 2 Lgd @300mm c/c	-



Details of Longitudinal and Transverse Reinforcement in Beams
IS 13920 : 2016



General Notes -

- Use M20 grade concrete and Fe415 grade bar steel (6mm dia mild steel Fe250 grade)
- overlaps & development lengths for - bars in compression = 4ϕ x dia of bar bars in tension = 57 x dia of bar
- cover to the main reinforcement - footing = 50mm beam = 25mm column = 40mm slab = 15mm
- use 6mm dia double links at 150mm c/c in columns.
- bearing capacity of soil = 600 kg/cm²(assumed) shall be checked before concreting.

Project - Proposed Residential Bldg
 Architect - Mr S.L. Bajaj
 Client - Mr K.L. Joshi
 Layout & Schedule of Beams & Slabs
 Rev. No.0 | Date:15.5.19 | P.r/p | C.pb

Ajay Kadam Associates
 STRUCTURAL CONSULTANT