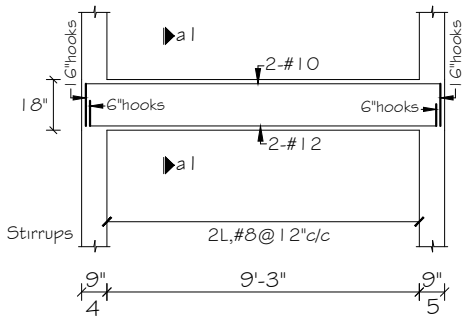
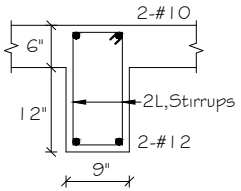
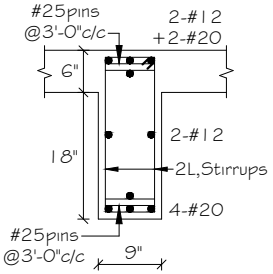


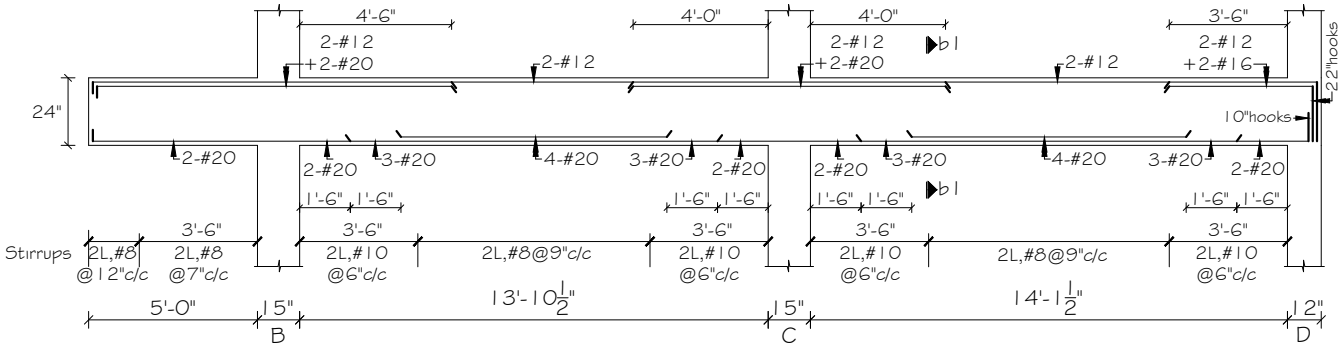

R.C.C. DETAILS FOR BEAM ALONG GRID A



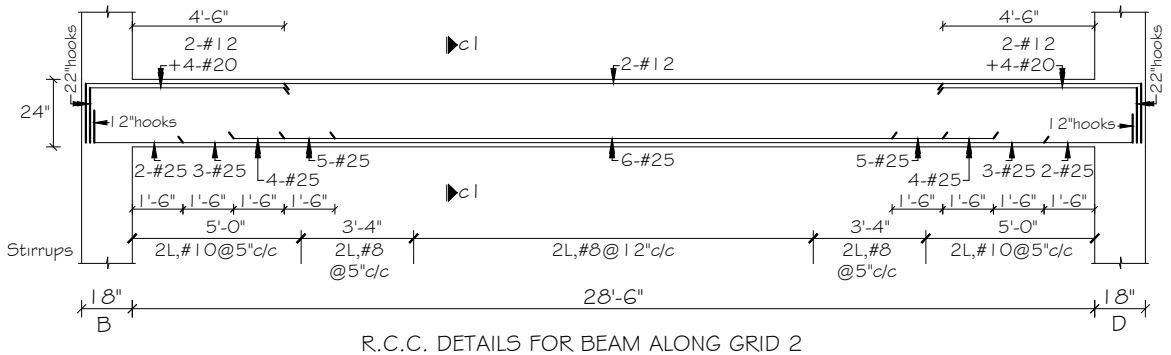

Section a1 - a1



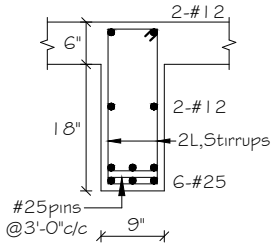

Section b1 - b1




R.C.C. DETAILS FOR BEAM ALONG GRID 1




R.C.C. DETAILS FOR BEAM ALONG GRID 2




Section c1 - c1

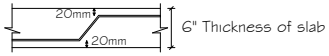
## NOTES FOR SLAB AND BEAMS

(1) Do not scale the drawing.Follow the written dimensions only.

(2) Thickness of slab = 6"

(3) Distribution steel : # 8 @ 11" C/C for 6" thick slab.

(4) Typical crank details for slab rods shall be as follows:




(5) Use M-20 Concrete for all RCC works.The equivalent nominal concrete mix for M-20 concrete shall be 1 : 1½:3 with a water cement ratio of 0.5.

(6) Clear covers to main reinforcement shall be as follows
(i) 25mm for beam rods
(ii) 20mm for slab rods

(7) Lap for reinforcement shall be as follows :
(i) 60 times the diameter of bars for beam and slab reinforcement

(8) Laps for Beam and slab reinforcement,where unavoidable, shall be kept staggered and shall be located at points of minimum bending moments and shears. In general, laps can be located at 1/3 span points.

(9) Provide cover blocks to reinforcement. cover blocks shall be cast in C.M. 1 : 1½ and properly cured and shall be of the following sizes:
(i) 60mmX60mmX25mm for beams rods
(ii) 60mmX60mmX20mm for slab rods

(10) The concrete shall be cast in a single concreting operation without any construction joint.

(11) Use well graded crusher jelly having 65% of 20mm size and 35% of 12mm down size.

(12) Use coarse sand free from silt and organic matter.

(13) The concrete shall be thoroughly compacted using mechanical vibrators.

(14) Concreting shall conform to latest ISI specification.

(15) Curing shall be done by ponding of water for a minimum period of 10 days. Construct mortar bunds on the day of concreting itself so that the water can be ponded the very next day.

(16) " # " stands for Torsteel bars having an yield stress of 500 N/mm2.

(17) Provide " # 12 " chairs to ensure that the reinforcement at top level of slab does not come down during concreting operations.

(18) Live loads assumed for the design of various members are as follows: (i) 400kg/mt2 for slab at First floor level excluding partitions & toilet fillings.

(19) The reinforcement after placing in position shall be got inspected by the structural Engineer before proceeding with concreting.

(20) The concreting shall be done only in the presence and active supervision of a competent site engineer.

(21) Provide pin rods at 3'0" c/c between two layers of reinforcement for Beam rods as shown. The pins shall be of minimum #25 rods.

(22) Centering shall be struck as indicated below
a. After 14 days for slab
b. After 21 days for Beams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JANASHAKTI SAMUDAYA BHAVANA

AT SHIVAMOGGA

| DRAWN & CHECKED BY | SHRUTHI S V | DRG.NO. ST/PA/JAN/SMG-04<br>SHEET. NO. 2 OF 5 | REV |
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