



# Andhra Pradesh State Skill Development Corporation



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## AutoCAD(CIVIL)

### Beam Detailing



## DETAILS OF THE STRUCTURAL ELEMENTS, TITLE BLOCK AND PRINT OPTIONS BEAM DETAILING

Beam carries transverse external loads that cause bending moment, shear forces and in some cases torsion. Concrete is strong in compression and very weak in tension. Steel reinforcement counteract tensile stresses in reinforced concrete beams.

### Minimum RCC Beam Sizes

The Minimum RCC beam size should not be less than 9"x 9" (225MM X 225MM), with an additional slab thickness of 125 MM. I generally use a minimum of 4 bars, with 2 bars of 12 MM thickness in the bottom of the beam, and 2 bars of 10 MM at the top of the beam.

#### Beam

2 bars of 12 mm in the bottom and 2 bars of 10 mm on the top.

