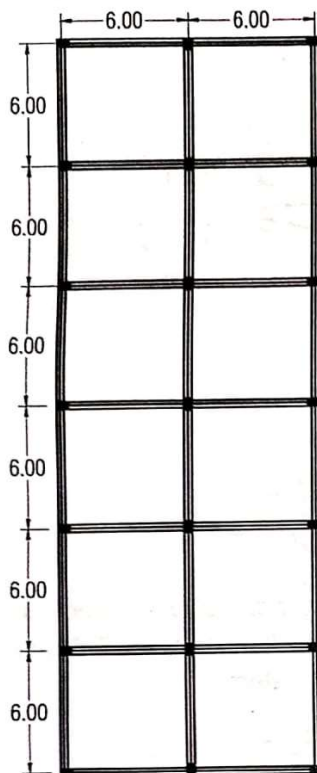


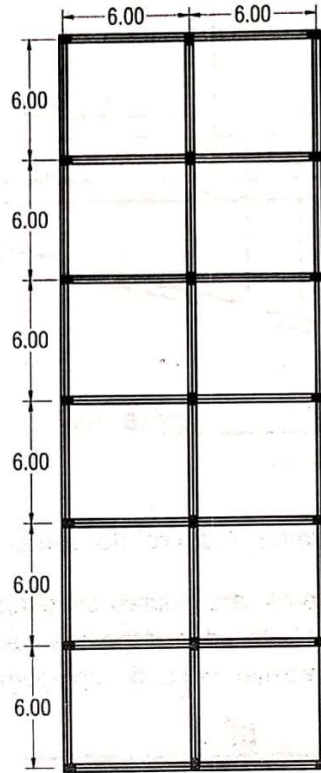
Problem – Analyze the Following RC Building Frame Structure and Calculate the Followings Results, Consider Self Weight during Analysis. Calculate BMD, SFD & Displacements.

Analyze the RCC building with given parameters.



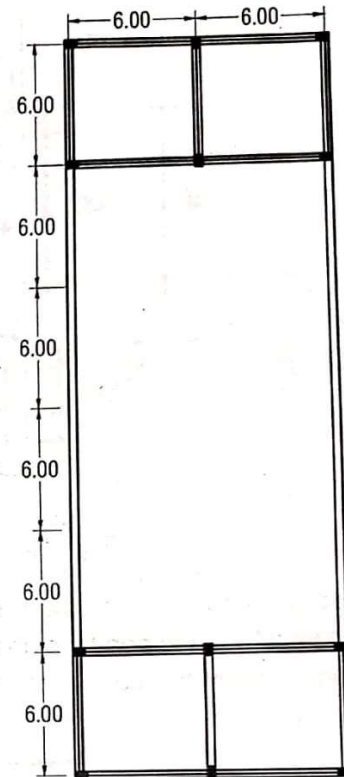
PLINTH BEAM PLAN AT 1.5 M LVL

ALL BEAMS = 0.30 M X 0.30 M



ROOF BEAM PLAN AT 5 M LVL

ALL BEAMS = 0.45 M X 0.30 M



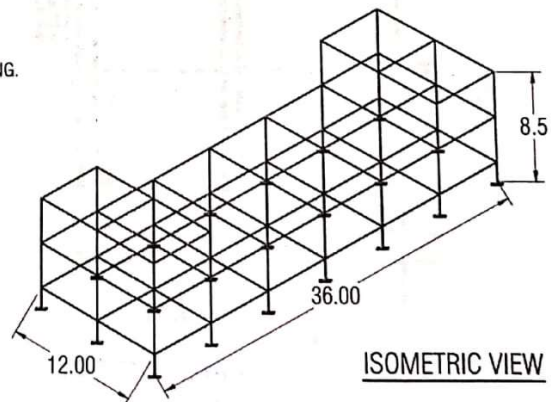
ROOF BEAM PLAN AT 8.5 M LVL

ALL BEAMS = 0.45 M X 0.30 M

ALL COLUMN SIZES = 0.3M X 0.45M  
KEEP THE ORIENTATION OF COLUMNS AS GIVEN IN DRAWING.

**PARAMETERS:-**

OUTER WALL = 0.230 THK WALL  
INNER WALL = 0.115 THK  
PARAPET WALL = 0.115 THK WALL 1 M HIGH  
SLAB THICKNESS = 0.150m  
FLOOR FINISH = 1.5 KN/m<sup>2</sup>  
LIVE FLOOR LOAD = 3 KN/m<sup>2</sup>



ISOMETRIC VIEW