INSIDE Buildmaster

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Welcome back to **INSIDE BUILD-MASTER !**

Computer Aided Building Design methods have come a long way from Continuous Beam Analysis Programs, Plane Frame Analysis to Space Frame Analysis, and Design of Individual Components to Automated Floor Designs programs.

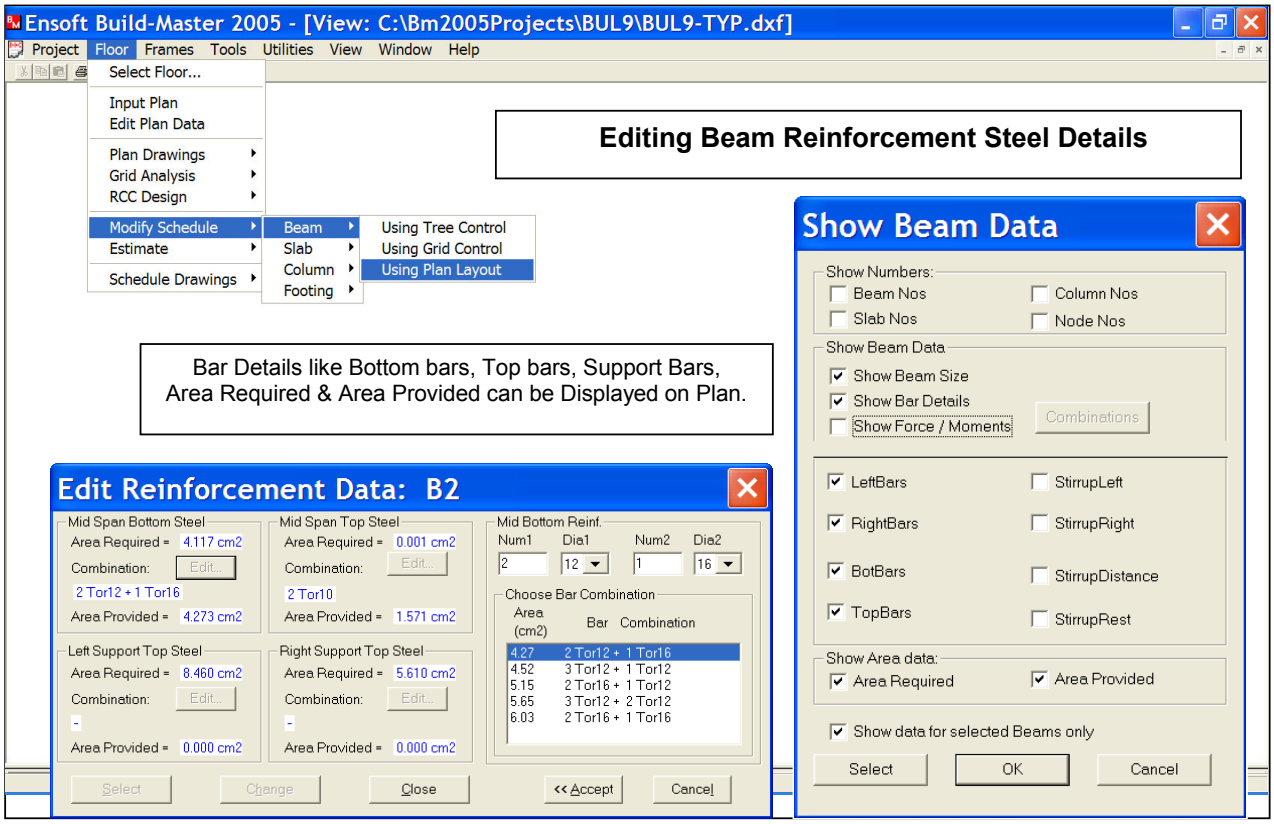
It spite of the programs available, when it comes to finalizing the Number and Diameter of Reinforcement bars to be provided in RCC Beams, one has to refer to the floor plan and design outputs repetitively. Some designers write values of Area of Bars required at various positions in beams on the floor plan drawings, before providing the steel bars. This is a good practice especially when the design prepared by a junior engineer is to be checked by the senior person in an organization.

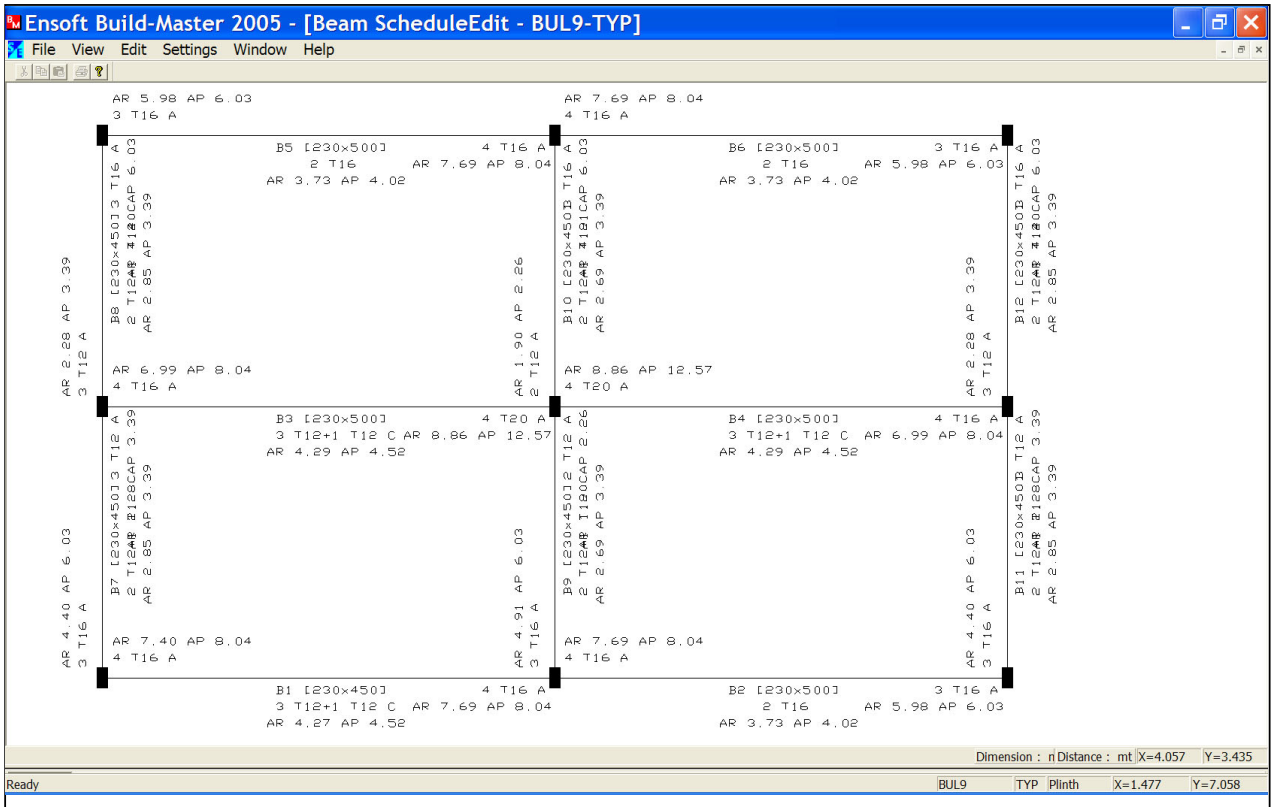
Ensoft has introduced a new feature in latest Version of Build-Master 2005; dated **August 2007**, for displaying RCC Design Schedule data of beam, slab, column and footings on plan layout itself. This utility will now display the reinforcement bar details, i.e. Numbers, Diameter and Spacing of bars of design output on the single line floor plan. Forces and moments can also be displayed on the plan along-with the required bar areas.

A new menu '**Modify Schedule Using Plan Layout**' is added in Build-Master. In earlier versions, design schedule can be either edited by Tree like Edit Control or Tabular Grid Control menu. Number and Diameter of bars to be provided can now be edited directly on the plan layout itself. Changes made will be saved in database files and Design Schedule drawings updated automatically. This utility will not only eliminate repetitive reference to the floor plans & design schedules, but also save valuable time of the designers.

The procedure for using this exciting new feature is highlighted here in brief.

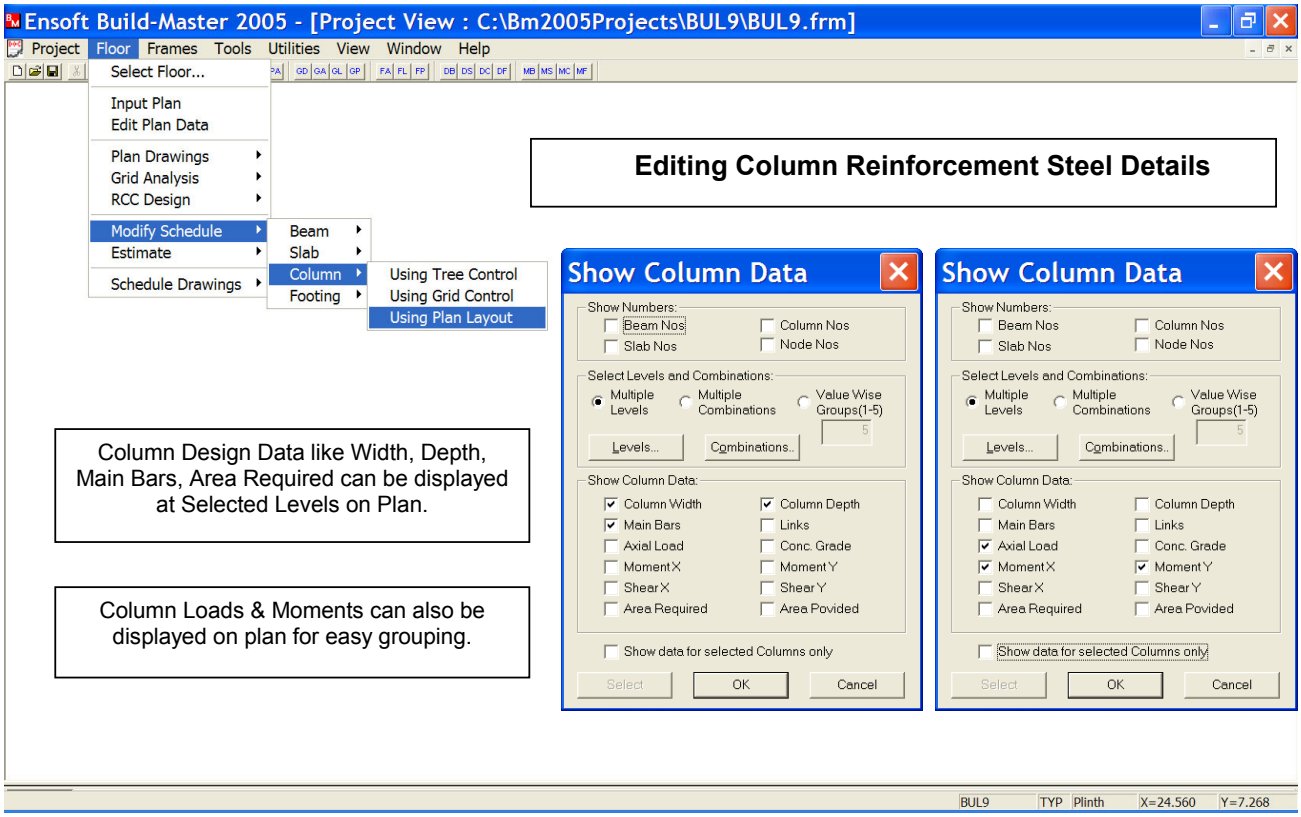
Modify Schedule Using Plan Layout

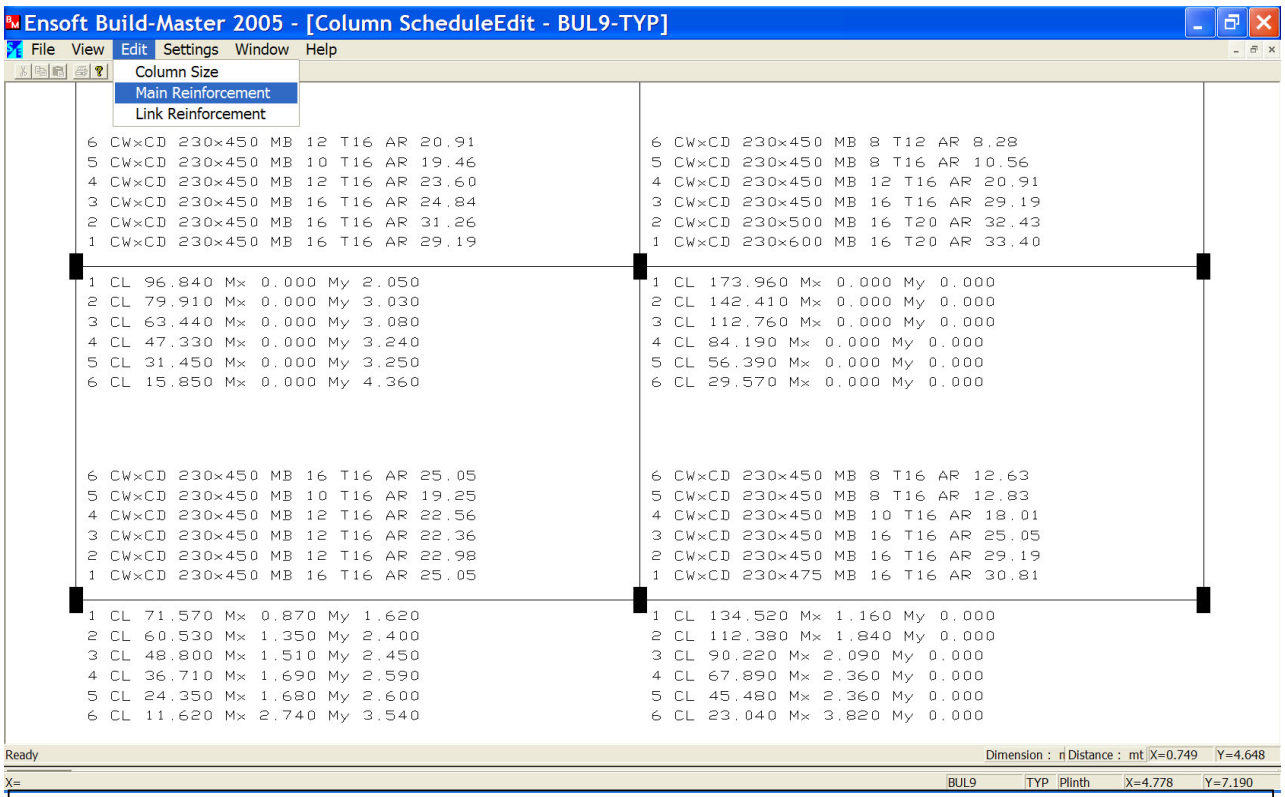




Desired Beams can be selected for Displaying & Editing Sizes & Steel

Editing Column Design Outputs on Plan Layout

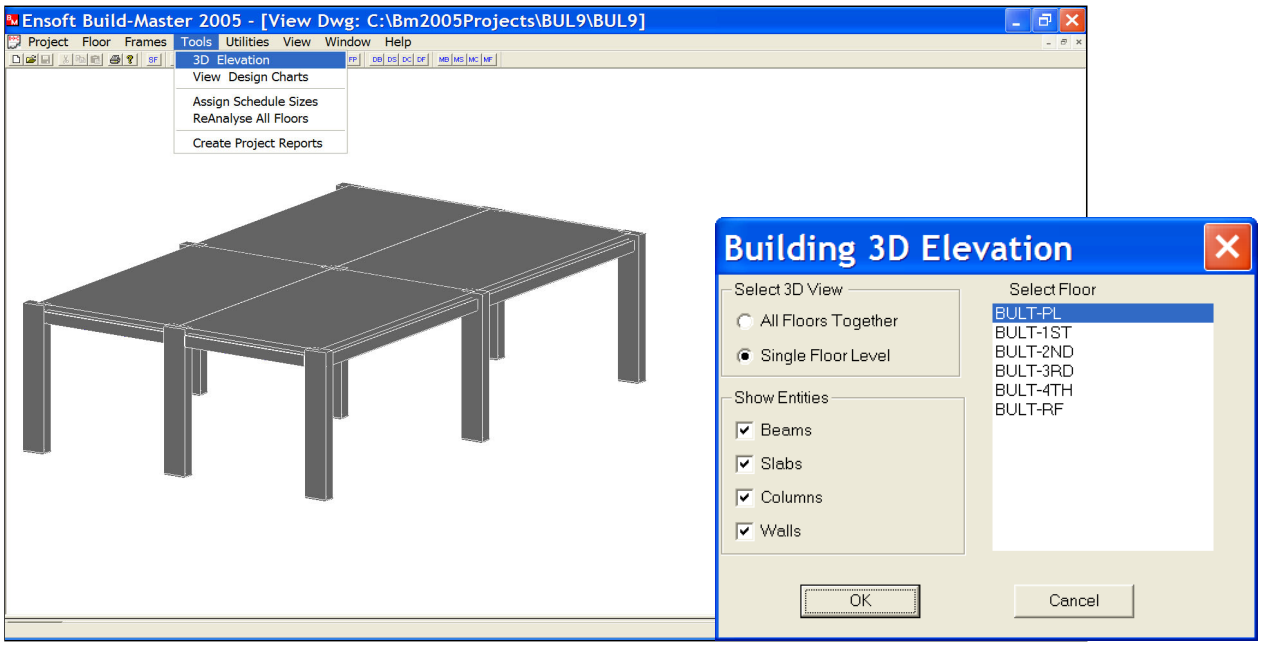




Column Sizes & Steel Bar Details can be Edited at Multiple Levels on Plan

Floor wise 3D Elevation

In earlier version schematic 3D elevation of the Building was being generated for all the floors together. It was cumbersome to view details of the individual floors then. But now in this new version, 3D elevation can be generated for a single floor as well. Data checking of wall heights & thicknesses, beam & column sizes and slab thicknesses has become easier, since these entities can be viewed one by one.



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