



S A D S

What's New

Version 18.0

Gold Sun

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1 Online Linking with ETABS

The Online Linking is using ETABS OAPI package. This linking function needs only SADS project data files. Users don't need to prepare ETABS data and provide mapping information between SADS and ETABS. This is a two ways linking. We can transfer data from SADS to ETABS. Also, we can transfer data from ETABS to SADS. All data is transferred directly. No any intermediate file or media is needed. It is the most efficiency linking function. You may read the SADS Online Linking Demonstration to get detail information about this new function.

2 The Forces of BC Joint

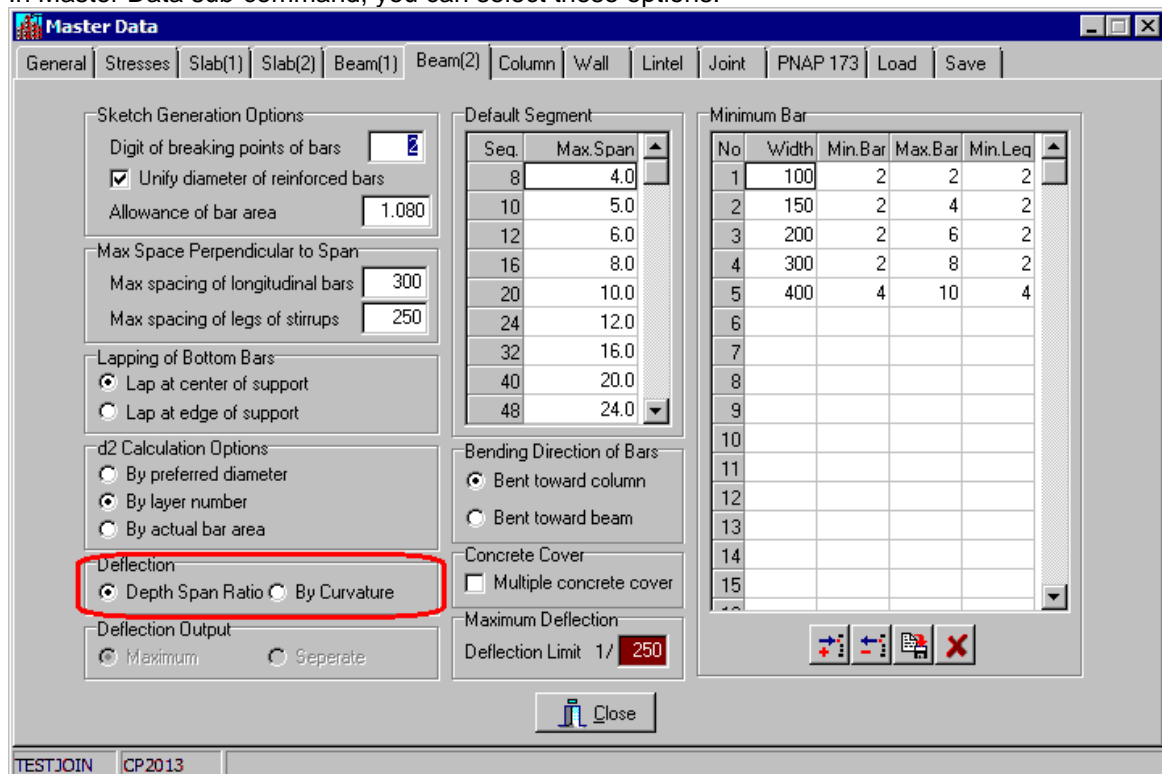
The shear reinforcement of BC joint is calculated based on the shear forces T_c and T_c' . These 2 forces are calculated based on beam moments at LHS and RHS of joint. In SADS previous versions, these beam moments are taken from moment envelope in beam design. The moment envelope is created by multiple load patterns. The results may be over designed.

In SADS v18, the moments are taken from a single load pattern. It is more reasonable.

3 Deflection Calculated by Curvature

In SADS v18, we add an option for calculating deflection of beams. We can calculate the beam deflection by curvature method.

In Master Data sub-command, you can select these options.



Usually, you can use the old method - "depth span ratio" method. For certain case, you can use "by curvature" method.

4 **New BDIP Drawing**

The BDIP has major changes and improvements according ArchSD drafting standard.