

DecaPlot Procedure – Beam Design with shear stirrups as per IS:13920:

(Refer Quick Start Guide & Manuals for complete details)

The staad file must contain the following lines after PERFORM ANALYSIS:

```
LOAD LIST n1 TO n2  
UNIT METER MTON  
PRINT MEMBER FORCES
```

Where n1 to n2 are design load combinations for beam design.

1. Click DecaPlot Control Panel icon
2. Click any where on Welcome Screen
3. If Current Project displayed is not blank, click Export Project Button, select Export Drive & click OK.
4. Copy your staad std & anl file (select files, mouse right click & then copy).
5. Click Select Design & Drawing Project Button
6. Right click mouse & click Paste any where in the white window.
7. Press Open Button
8. Click combo smiley face
9. Click any where on Welcome Screen
10. Click Extract (Third column on Menu Bar)
11. Click Extract R.C.C. Frame Details
12. Select Tabulator option & click OK button
13. Click OK button on status report
14. Click OK on successful extraction message
15. Click Design Beam Stirrups (under third menu item Extract), Specify load combination no., seismic load combination nos. & click OK
16. Click OK when shear stirrups design completion message appears.
17. Click Beam Stirrups Design Results (under third menu item Extract) to view stirrups design.
18. To get drawing of modified beam design results:
 - a. Click graphical beam results (modified) (under third menu item Extract column)
 - b. Select level & press ok.
 - c. Specify parameters like drawing scale etc. & press ok
 - d. Press ok when drawing completion message appears.
 - e. The autocad drawing will be made automatically on the screen