

Release Notes for Shearwal V3.1.0

New / Changed Features since V3.0:

- + Added IBC 2003 to the list of building codes and added the appropriate load and ϕ factors.
- + A single building code selection (on the User Info. page) is used for both wind and seismic analysis. The previous version required you to select the building code twice, once for wind and again for seismic analysis.
- + General cleanup of the report:
 - Only the load cases requested by the user for wind or seismic loads are displayed in the report.
 - Sectional divisions in the report are clearer now.
 - Replaced the old "Prov. Mu" terminology with the more appropriate " $\phi * M_n$ ".

Bugs Fixed:

- 10 The text in grids is properly sized when screen resolution is set higher than 1024x768.
- 36 The application will not crash on restart after you exit with the View Results screen maximized or minimized.
- 42 Any changes made to the input screens are reflected now in a printed report even when a Print Preview window is displayed.
- 46 The value for d, depth of reinforcing (reported in the Panel Shear section but used throughout the calculations) is correct for both directions for a symmetrical piece (and other types of pieces as well).
- 64 File names with more than one dot (period) are allowed now. They no longer get truncated at the first dot without informing the user.
- 69 The portion of the Panel Shear report for "Special Reinforced Structural Walls" has been removed. The reference to ACI 318 was wrong and calculation was wrong. This may be restored in a future release.
- 77 If a file save operation fails (e.g. because the folder is write-protected) the user is notified.
- 82 File name is reset properly when opening from the file list.
- 98 When the user selects the current problem file from the file list, he is prompted to reload the problem from the file.
- 132 Save-as uses the current file name as the default.
- 133 Pressing [F1] while the View Results or Print Preview window is on top takes you to the Calc. Methods section of the help.
- 141 Output under Panel Shear in the Vc Provided column refers to the correct equations for ACI 318-99, -02 and -05. The equations themselves are the same for all years; only the references have changed.
- 166 The help (Calc Methods > Unfactored Loads Stress Checks) says unfactored loads don't make sense for seismic loads! So the "Unfactored Loads" checkbox has been removed from the Seismic Loads page.
- 200 The Ultimate Strain in the Concrete Materials Info frame has an upper limit of 0.003 enforced.