

## MecaWind Revision History

<u>Version</u>	<u>Date</u>	<u>Revision Description</u>
2.2.0.0	5/20/2013	First Beta Release of new MecaWind and MecaWind Pro Software. Includes these major changes: 3D Graphics, MWFRS Pressure 3D graphic, base reactions, Enhanced Output Control.
2.2.0.1	5/23/2013	Clean-up and fine tune menus and entry screens, and add Help manual.
2.2.0.2	5/23/2013	Internal code housekeeping and re-compile.
2.2.0.3	5/27/2013	Fix C&C to show 'H' zones.
2.2.0.5	6/20/2013	Fix bug where it keeps saying Argument Start...
2.2.0.6	6/24/2013	Fix Alt procedured for (60>h>90) for ASCE 7-10.
2.2.0.7	6/28/2013	Last compile of Beta version.
2.2.0.8	6/28/2013	Complie it as full version of MecaWind
2.2.0.9	7/8/2013	Fix bug with activating a 2nd Laptop License.
2.2.1.0	7/9/2013	Top toolbar drifting off page on some operating systems.
2.2.1.1	7/9/2013	PC's with high DPI setting don't display forms correctly, so set autoscale mode to DPI.
2.2.1.2	7/15/2013	C&C input wasn't updating when Ht > 60 ft to show elevation inputs.
2.2.1.3	7/18/2013	Fix ability to enter NATURAL FREQUENCY manually
2.2.1.4	8/9/2013	Add option to disable graphics, graphics only updated after cell loses focus, and allow users to enter formulas into cells to perform basic math operations (i.e. 2+2)
2.2.1.5	8/11/2013	Add ability to drag dimensions, clean up OH updating
2.2.1.6	8/12/2013	Fix bug with C&C, and Updating User Code and Ht calc.
2.2.1.7	8/12/2013	Some of Output Basic Parameters was not being printed.
2.2.1.8	8/13/2013	Fix problem with MWFRS results not printing for old files.
2.2.1.9	8/14/2013	Generate Output wasn't working when MS Office not installed.
2.2.2.0	8/16/2013	Fix Problem with C&C Zones on Open Buildings
2.2.2.1	8/19/2013	Fix with Topographic factor corrupting pressures & added better error trapping with bad C&C zones are specified that don't exist.
2.2.2.2	8/20/2013	Fix bug with Topographic Adjustment for Simple Diaphragm Bldg.
2.2.2.3	8/21/2013	Fix bug when running Std Version, and Flexible selection.
2.2.2.4	8/23/2013	Remove formula entry capability, because it is suspected it's causing freezes.
2.2.2.5	8/27/2013	OH options not updating correctly, add more error logging.
2.2.2.6	8/29/2013	Arched roof bug, enable single user to work without internet.
2.2.2.7	8/29/2013	Fix Kzt = 0, Elev Increment, and revise message on Report Bug Failing.
2.2.2.8	8/30/2013	Still some Kzt problems when loading old files. Clean-up on 'Building' tab, when changing from one roof type to another form not always updating cleanly, fix bug where 2H or 3H zone reverted to 2 or 3.
2.2.2.9	9/6/2013	Arched roof not loading correct, and spring line slope not visible.
2.2.3.0	9/20/2013	Fixed Reduction Factor Button.
2.2.3.1	10/3/2013	C&C pressures were not correct for -GCp when Ht > 400, Also fixed Tower bugs.

2.2.3.2	10/15/2013	File read problems, Slope calc round-off error, Solid wall not calculating
2.2.3.3	10/15/2013	Fix problem with Other structure running for metric units.
2.2.3.4	10/21/2013	Fix Problem with Topographic factor being zero.
2.2.3.5	11/1/2013	Open Sign Ht was disabled for Demo and full version.
2.2.3.6	11/11/2013	Fix bugs where old values retained and causing wrong analysis to be performed (Open & Arch)
2.2.3.7	11/14/2013	Try to fix issue of C&C not showing up in output.
2.2.3.8	11/21/2013	Analysis sometimes defaulting to simplified, rather than detailed.
2.2.3.9	11/25/2013	Domed roof was not displaying correct results for Metric.
2.2.4.0	12/2/2013	Fix problem with ASCE 7-10, Ch. 28 low rise option not working.
2.2.4.1	12/4/2013	Kz not being adjusted for base elevation > 0, and fixed a side effect caused in v2240.
2.2.4.2	12/18/2013	Fix some problems with Open Building and error checking looking at wrong L value.
2.2.4.3	1/3/2014	Kd override wasn't working.
2.2.4.4	1/9/2014	Arched Roof wasn't printing pressures
2.2.4.5	1/11/2014	When entering roof slope the program was stil trying to calc slope from bldg dimensions.
2.2.4.6	1/29/2014	When bldg override selected, file open was crashing.
2.2.4.7	2/4/2014	Min Press for windward walls not taking load factor into account, but MWFRS graphic is.
2.2.4.8	2/7/2014	When file saved the exposure and category weren't retained.
2.2.4.9	4/1/2014	Correct adjustment factor when Ch 30 Part 4 used, it was using MWFRS adjustment factor.
2.2.5.0	4/23/2014	More corrections on Ch 30 Part 4 EAF factor, and warning when V < 110 mph.
2.2.5.1	6/4/2014	Fix error in Open building that didn't calculate reactions and graphics correctly.
2.2.5.2	8/29/2014	Correct base elevation on solid signs.
2.2.5.3	9/2/2014	Domed roof minimum f/D ratio was 0.2, corrected it to be 0.05
2.2.5.4	9/4/2014	Domed roof max hD/D ratio was 0.5 and it should be 1. The limit is 1 for MWFRS and 0.5 for C&C
2.2.5.5	9/9/2014	Correct structural damping ratio not being retained.
2.2.5.6	9/10/2014	Correct Base Elevation getting messed up when Topgraphic factor and metric units chosen.
2.2.5.7	9/17/2014	In 2254 we limited hD/D to 1, but it appears that there shouldn't be any upper limit for MWFRS
2.2.5.8	10/2/2014	Fix a bug in the logic that was causing a crash.
2.2.5.9	10/14/2014	Fix Parapet C&C to display for simplified bldgs, fix probablme with RHt and EHt changing.
2.2.6.0	12/23/2014	Fix Save Output as RTF or PDF, and Fix Parapet C&C for Part 3 (Uses part 6)
2.2.6.1	1/6/2015	Address problem when security server is down that single user will still work.
2.2.6.2	3/30/2015	Fix incorrect value in table for opern bldg (Fig 27.4-4), and enable base elev for bldgs.
2.2.6.3	5/5/2015	Correct labeling of length and Width for Open Bldg. Corrections for tower dim's not saving. When open bldg pitched or troughed roof selected, it should revert to Monoslope for roof slope < 7.5 deg.
2.2.6.4	5/6/2015	Chapter 28 Envelope Procedure MWFRS value lookups had faulty logic, so it was corrected.
2.2.6.5	6/6/2015	Correct C&C for Mansard roof and Ch 30 Part 4
2.2.6.6	6/30/2015	Adjust text size on main menu, not printing properly with huge text size selected.
2.2.6.7	7/15/2015	Fix toolbar and bug with roof area for monoslope/flat along ridge loads. Fix bug to not perform C&C slope checks/warnings when no C&C is entered.

2.2.6.8	7/16/2015	Fixes to graphics on main screen.
2.2.6.9	8/19/2015	Fixed open building graphics, fix input TOC being unchecked after analysis.
2.2.7.0	9/21/2015	Added L-Shaped building to program for Pro users. it's in Beta Testing.
2.2.7.1	11/6/2015	Fig 28.4-1 display pressures for +GCPI and -GCPI, instead of just max
2.2.7.2	11/12/2015	Fix Base Elev to work with Non_Diaphragm, Adj OH to work with Simple Diaphragm.
2.2.7.3	3/1/2016	Parapet C&C Part 4 was applying exposure adj factor twice, low for Exp B and High for Exp D
2.2.7.4	5/4/2016	Simple diaphragm option should only be visible when an Enclosed bldg selected.
2.2.7.5	5/24/2016	Correct along ridge pressure zones for open building monoslope roof
2.2.7.6	8/23/2016	Update software to latest platform but didn't release to users yet.
2.2.7.7	5/25/2017	Added option to use Part 4 or 6 for Parapets when <= 160 ft