

LE 9.71

The following is a list of changes that have been made to TOPVIEW LE Version 9.71 (whose predecessor was Version 9.7).

General Improvements:

- The new Check For Updates option displays a webpage which contains the latest updates for TOPVIEW LE.

Miscellaneous:

- The Renew Subscription option now displays the current subscription expiry date for your convenience.

Bug Fixes:

- The Inspect Details option no longer displays distance from previous detail point on first point of first detail.
- The Measure Distance option now only displays the rounded headings if necessary (i.e. when units are feet and inches).
- Various Roof Calculator option bugs regarding computing sloped distance information were fixed.
- Minor spelling and formatting mistakes were corrected in the Header Information help topic.

LE 9.7

The following is a list of changes that have been made to TOPVIEW LE Version 9.7 (whose predecessor was Version 9.6).

General Improvements:

- SentinelPro™ security keys are no longer supported (i.e. a SentinelSuperPro™ security key is now required).
- The Add Roof Section option now allows arcs (as a series of line segments that estimate the arc) to be added to regular roof sections (as well as dormers, cutouts and interior low areas).
- The Dutch Gable Wizard option now allows you to specify the width of the dutch gable by indicating the width on slope.
- The Add Detail Between Points and Add Detail on Edge options now enable you to quickly add multiple details using the specified properties (which may be quicker than having to specify properties for each individual detail).
- The Draw option now allows you to specify which layers on the currently imported DXF image are visible.
- The new Measure Scale option enables you to compute a desired scale by specifying the desired distance between two points. You may find this useful when trying to compute the scale of a drawing that you are digitizing or have entered at an incorrect scale.
- The Plan Image Properties option now allows you to specify a rotation angle so that you are able to rotate the imported plan image to an exact angle.
- The Setup Materials Database option now allows you to copy materials.
- The Setup Project Templates option now allows you to copy project templates.

Miscellaneous:

- SentinelSuperPro™ security keys attached to remotely accessed computers are now supported.
- The maximum number of roof sections that can exist over the lifetime of a project has been increased to 1000. Note that the program will become more sluggish as the maximum number of roof sections is approached and some commands (especially those which need to estimate the project) may begin to take upwards of a couple of minutes or more to execute.
- The maximum number of details that can be added to a roof section has been increased to 1000.
- The Ortho and Attach modes are no longer reset between sessions.
- The Import DXF Image option now uses an initial default import scale of 12 inches per foot.
- When encountering an unrecognized huffman code, the Import Plan Image option will now import the plan image up until that point (instead of aborting altogether).
- The Import Plan Image option now imports CALS files which have an invalid rdensity.
- Note that the Windows Vista operating system considers help files using the Windows Help Format (which is the format of this help file) obsolete and thus does not ship with WinHlp32.exe (which is required to view these help files). Therefore, to view this help file in Windows Vista you will need to download and install WinHlp32.exe from the Microsoft Download Center.

Bug Fixes:

- Roof section names ending in a period are now handled correctly.
- The Dormer Wizard, Dutch Gable Wizard and Eave Extension Wizard options now make sure that the maximum number of roof sections is not exceeded.
- The Copy Roof Section and Mirror Roof Section options now always copy/mirror all details.
- Large arcs are now drawn using a different method which prevents bugs (such as a crashing when doing a Printer Plot and using the Outline plotting option).
- Zooming done via the Zoom In/Out Button and middle mouse button/wheel is now always done at a consistent rate regardless of the project scale.
- A minimum window size is now ensured which prevents potential drawing errors.
- The Message Bar is now always properly redrawn when the window is resized.

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- The 3D View window is now always properly updated when the project is modified.
- The Add Help Line option now always allows help lines to be selected (whereas before they couldn't be selected if help lines hadn't intersected with anything).

LE 9.6

The following is a list of changes that have been made to TOPVIEW LE Version 9.6 (whose predecessor was Version 9.4).

General Improvements:

- A valid subscription must now be purchased in order to use a SentinelSuperPro™ security key with the TOPVIEW LE program (see Security and Renew Subscription for further details).
- The Add Roof Section option now displays the lengths of the edges as they are added as well as the horizontal and vertical offsets.
- The Add Roof Section option now does automatic zooming when points are added outside of the drawing area.
- The Dormer Wizard option now enables you to specify the horizontal length of shed dormers.
- The Dormer Wizard option now allows you to specify the dormer width by indicating either the horizontal width or the width on slope.
- Dutch Gables can now be easily added to roofs by using dormers via the new Dutch Gable Wizard option.
- Connected roof sections can now be easily added to the current roof section in order to extend an eave via the new Eave Extension Wizard option.
- The Point Adjust Roof Section, Add Point to Roof Section, Remove Point from Roof Section, Point Adjust Low Area, Add Point to Low Area and Remove Point from Low Area options now allow points on both the roof section and the low area to be modified at the same time (by pressing during selection).
- The middle mouse button/wheel can now be used to pan/zoom (see Using the Mouse for further details).
- The Measure Distance option now allows you to measure the distance between non-existing points (such as between points on an imported plan image).
- The Plan Image Properties option now has an Invert Colors property which allows you to indicate whether the imported plan image colors should be inverted.
- The Print / Plot / Export option now has an Auto Scale feature which allows you to automatically set the plotting scale so that sections fit nicely within the plotting area.
- More digitizer button options have been added (see Setup Digitizer and Plotter for further details).
- TopView LE Files help topic (which describes all of the TOPVIEW LE files and folders) has been added.

New Settings:

- You can now indicate whether the Print / Plot / Export option should auto center the plot preview via Interface Settings.
- The maximum number of Previous Projects that appear at the bottom of the File Menu (now defaulting to nine) can now be specified via Interface Settings.
- You can now specify the position of the section label via Interface Settings.
- Interface Settings now enables you to specify how the screen should be redrawn after a roof section has been added via the Add Roof Section option. You are able to indicate if the Zoom Current option should be done afterwards as well as specify what Draw option drawing template should be used.
- When opening projects the previously imported plan image is now automatically imported. You can disable this feature via Interface Settings.
- You can now indicate whether the Import Plan Image option should initially invert colors via Interface Settings.
- You can now indicate whether or not the previous command should appear on the Quick Menu via Quick Menu Settings.
- The Dormer Wizard, Dutch Gable Wizard and Eave Extension Wizard options can now be specified as repeatable commands via Repeatable Commands Settings.

Miscellaneous:

- Selecting roof sections by double clicking on them with the left mouse button (or by using the Section icon on the status bar) has been improved such that roof sections that lie on top of each other will each eventually be selected.
- The report and plot printers (which can be specified via Printer Setup) are now automatically reset to the Windows® default printer if the respective printer can't be found.
- Metric measurements of centimeters and millimeters can now be entered via the keyboard (see Entering Numerical Values for further details).
- The Add Roof Section option no longer redundantly prompts to select parent section when entering a cutout, interior low area, dormer or barrel dormer if only one parent section exists.
- The Dormer Wizard option now allows the locator point to also be positioned on the front inside corners of the dormer (which take into account the side and front overhangs).
- You are now prompted for information via a dialog box when using the Dormer Wizard option to adjust the overhangs of an existing dormer.
- The dimension lines drawn on the preview window of the Dormer Wizard, Dutch Gable Wizard and Eave Extension Wizard options now indicate whether an on slope distance is required.
- The parent roof section is now reselected after using the Dormer Wizard, Dutch Gable Wizard and Eave Extension Wizard options.
- The Match Edge option now initially prompts for other section's edge or point based on what was selected for current section.
- You are now prompted for information via a dialog box when using the Adjust Slope and Adjust All Slope options to adjust the slope.
- The Zoom Selection, Zoom Current and Unzoom options no longer prompt for drawing options (which can be specified via Draw).
- The printed 3D View no longer displays header information (project name, company name, time and date).
- The Import Plan Image option now also supports TIFF (LZW Bilevel compression) images.
- The Import Plan Image option can now import TIFF files which contain unnecessary fields using unsupported data types.
- The Reports option dialog box is now automatically sized to give a larger viewing window.
- The Print/Plot/Export option now displays the plot preview right away.
- Listboxes which contain both an ID# and a description are now formatted so that distinguishing between the two is easier.
- The fixed detail type can now be specified for individual detail types via Setup Materials Database. Note that the fixed detail type is used to limit the details that are displayed in the Add Detail Between Points, Add Detail on Edge, Change Detail Material, Section Defaults, Section Summary and Setup Project Templates options. Note that the fixed detail type is used when computing the angle of appropriate non-automatic details. Due to this change it is recommended that the appropriate fixed detail type should be specified for each detail type and in turn the appropriate detail type should be specified for each detail.
- The confirmation prompts in the Import Material Text File option are now more descriptive (i.e. they now warn how current material data will be destroyed and replaced with imported information).
- Program website addresses are now hyperlinked (i.e. can be clicked on to bring up specified website).
- Current and future settings local to individual projects are stored in the new SETTINGS.G80 file which resides in the TOPVIEW LE project .DIR directories.

Bug Fixes:

- The Add Roof Section option now always correctly creates barrel roofs when specifying their width via the keyboard.

- The Dormer Wizard option now always correctly places the dormer when specifying the position via the keyboard.
- Parent roof sections are now more likely to correctly take into account dormer overhangs.
- The Rotate Roof Section option no longer rounds rotation angles specified via keyboard input.
- The Rotate Roof Section option now always correctly rotates the roof section outline.
- Shed roofs now generate automatic rake details.
- Automatic headwall details are now properly added in Dutch Gable situations.
- Incorrect automatic details are now less likely to be applied to edges between connected roof sections.
- The Dormer Wizard, Dutch Gable Wizard and Eave Extension Wizard options no longer produce undesired error messages when adjusting the roof elevations while the 3D View window is visible.
- The Import Plan Image option now imports TIFF files which use the default RowsPerStrip.
- The Import Material Text File option no longer imports materials if the Cancel button was pressed.
- The Reports option now always initially displays the most recent report generated for the current project.
- The Setup Quote Template option now loads the complete Quote Template even when a zero length Quote Fixed Text object has been encountered.

LE 9.4

The following is a list of changes that have been made to TOPVIEW LE Version 9.4 (whose predecessor was Version 9.3).

General Improvements:

- SafeNet SentinelSuperPro™ security keys are now supported (both parallel port and USB models). See Security for further details.
- The Attach and Ortho modes can now be toggled via and , respectively.
- The Print/Plot/Export option now allows you to toggle thru various locator points when moving objects by pressing .
- The %FILENAME special header (which displays the project filename on plots) can now specify whether or not the path name should be included (see Header Information for further details).

Miscellaneous:

- An End-User License Agreement must now be accepted before running a new version of the program for the first time.
- Commands that adjust roof section elevation now ensure that no negative elevations are produced (by adjusting all roof sections appropriately).
- The Import DXF Image option now ignores TEXT objects which only contain white space.
- The Import Plan Image option now supports reversed bit ordering for TIFF (Uncompressed, Group 3 and Group 4) file types.
- Tab delimited report files now output the price using four decimal places.
- The CPU time required for the program has been significantly reduced in cases when a digitizer is not being used. Therefore it is recommended that the Use Digitizer option be unchecked via Setup Digitizer and Plotter when a digitizer is not being used.
- Help topics now mention unit of measure where appropriate.

Bug Fixes:

- The Match Edge option now correctly adjusts only the current roof section as well as its appropriate child/dormer and connected roof sections.
- The Match Edge option now allows proper selection of edges as well as lists more appropriate roof sections to select second edge from.
- The Adjust Roof Elevation option now correctly adjusts the elevation of dormer and connected roof sections.
- The Import DXF Image option now correctly imports POLYLINE objects that contain arcs.
- Crashes caused by overriding printer properties has been eliminated.

LE 9.3

The following is a list of changes that have been made to TOPVIEW LE Version 9.3 (whose predecessor was Version 9.2).

General Improvements:

- The Add Roof Section option now has a Multi Hip & Low Area feature which can be used to easily enter a regular section (with an optional cutout section) that consists of symmetrical equal length edges.
- The Add Roof Section option now allows the roof section to be closed using a mansard.
- When entering Barrel roof sections via the Add Roof Section option you now have the choice of specifying either the height of the barrel or the elevation angles (see Entering Barrel Sections for further details).
- The Dormer Wizard option now allows symmetrical barrel dormers to be added.
- The Add Detail on Edge option now attempts to add details to planar polygon edges first before attempting to add to roof section outline edges.
- The Match Edge option now also allows you to select individual points as well as edges.
- All roof sections can now be quickly connected and disconnected via the new Connect All Sections and Disconnect All Sections options.
- The Add Help Line option now enables you to bisect two low area edges which will enter a help line where the two associated planes would meet.
- The Add Help Line option now enables you to place parallel, perpendicular and angled helplines by specifying the on slope distance.
- The Import DXF Image option now specifies the scale in inches per foot.
- The Import Plan Image and Plan Image Properties options now specify the scale in inches per foot.
- The reported roofing material can now be summarized by slope using the new By Slope and Slope Summary options via Generate Reports.
- Same material details can now be combined on reports (thus ignoring their individual angles) using the new Combine Details option via Generate Reports.
- The colors specified in the Setup Colors option are now used when exporting a DXF file via the Print/Plot/Export option. Note that you may now have to update your CAD program if you are mapping specific colors to desired plotter pens.
- The Print/Plot/Export option now enables you to specify the monochrome attribute when doing an Export DXF.
- The 3D View option now defaults the polygon backside color to light gray (which can be changed via the Setup Colors option).

New Settings:

- Measure Parameters Settings now enables inches to be specified as the units.

Miscellaneous:

- The Dormer Wizard option now adds the roof section and low area in the recommended clockwise direction.
- The List Roof Sections option used for plotting now works independently of the one used for screen drawing.
- The VIEW3D.INI file information is now stored in the TOPLIGHT.INI file which has been moved to the TOPVIEW LE directory. - Note that the TOPLIGHT.INI file is used to store program settings.
- The 3D View window can now be fully rotated so that it is easier to see underneath roof sections (which is useful when attempting to confirm that all planes have been generated correctly).
- Detail panels are now simply known as details.
- The per panel unit of measure is now known as the per piece unit of measure when dealing with details as well as items associated with details.
- A digitizer size of 44 x 60 can now be selected via Setup Digitizer and Plotter.

Bug Fixes:

- The Connect Section option now correctly prevents the connecting of the current roof section to itself.
- The Map window is now always properly enabled after the Change Section Hierarchy option.
- The 3D View option no longer has odd drawing problems that were usually associated with barrel dormers.
- Measure Parameters Settings now take effect right away.
- All planes which are generated totally outside of roof outline are now properly ignored.
- The Setup Materials Database option now properly handles costs and markups that contain up to four decimal places.
- Border reference dots are no longer displayed if the resulting grid is too dense.
- The Setup Project Templates option now correctly allows project templates to be deleted.

LE 9.2

The following is a list of changes that have been made to TOPVIEW LE Version 9.2 (whose predecessor was Version 9.1).

Note that the file structure for *.MPI files (which are used to store the defaults information for projects and templates) has changed. These files will be automatically updated as needed. However, the cone/dome wedge angle is now specified in terms of a cone/dome panel width so you'll have to manually update previous projects containing cones/domes. We do not recommend attempting to open a project created with Version 9.2 with a prior version of TOPVIEW LE.

General Improvements:

- The Add Roof Section option now allows on slope distances to be specified by combining the key with the normal (up), (down), (right) and (left) keys.
- The Section Defaults option now allows you to specify sidewall and headwall materials for automatic detailing purposes.
- Cone/Dome roof sections now have their panel size defined by panel width (rather than wedge angle) and the placement of the partial panel can now be specified (both done via the Section Defaults option).
- The project filename can now be plotted on drawings (see Header Information for further details).
- The Map Window now contains Zoom and Pan buttons which indicate what feature is currently executed by the mouse thus panning is no longer initiated via the key (see Screen Description for further details).

New Settings:

- You can now specify how many decimal places of accuracy should be output when doing an Export DXF via Interface Settings.
- You can now specify whether TEXT objects should be imported when using the Import DXF Image option via Interface Settings.

Miscellaneous:

- Automatic details are now overridden (if desired) by details added via the Add Detail Between Points and Add Detail on Edge options if their endpoints are encompassed by the overriding detail endpoints (instead of before when an exact matching of endpoints was required).
- The Erase Multiple Roof Sections option now only prompts once for confirmation that roof sections are about to be erased (instead of one for each individual roof section).
- The maximum number of headers allowed in a project has been increased to 1000.
- The Import Plan Image option now also supports CALS (Raster Type 1 Untiled) images.
- The Import Plan Image option now also allows files of type .TIFF (TIFF Document), .CAL (CALS Document) and .OSP (On-Screen Takeoff) to be listed. - Please let us know if there are any other file extensions you would like listed.
- The Import Plan Image help topic now describes how to convert a ratio scale (ex. 1:96) into a scale of inches per foot (ex. 0.125).

Bug Fixes:

- Automatic details are now more correctly mapped to dormer edges.
- The Dormer overhangs now remain intact when using the Update All Sections button on the Section Defaults option to update the parameters for all roof sections.
- Different roofing materials are now properly separated when they are summarized on reports.
- The View Reports option will no longer occasionally default to a tab delimited text report file.
- Crashing that occurs in some projects while drawing them has been eliminated.

LE 9.1

TOPVIEW LE Version 9.1 is the first official release of TOPVIEW LE.