

## What's changed in UDesign 9-1-0?

We're constantly improving UDesign based on feedback from our users and development requests from Ultraframe. The main features of this release are: - updated roof pricing for all existing roof systems, the inclusion of the Quantal Aluminium roof system and the ability to specify, structurally check and price Ultrarroof designs with All-Tile configuration.

UDesign 9-1-0 also includes the various enhancements and fixes as listed below:

### Ultraframe

- New Quantal Aluminium Roof System for design, structural checking and pricing
- New All-Tile functionality, allows UltraRoof to be specified with users own tiles. Pricing deductions for supply of own tiles and structural rules for varying tile weights are built-in.
- Ultrarroof now allows 8 Degree pitch differential across hips (previously 3 degree).
- FB13913 - Improvements to Livinroom platform on designs with box gutter cut-outs.
- FB13968 – Frame widths displayed in Loggia editor are now updated after clicking 'Equalize glazed areas'.
- FB16017 - UF Wireframe XML no longer crashes with frame-offs and box gutter cutouts.
- FB17228 - Ultrarroof box gutter cutout profile now defaults to Tapered.
- FB17267 - Starter bar dogleg intrusion XML corrected.
- FB17294 – L-shape Verandah template now loads correctly.
- FB17306 - Fixes to Ultrarroof rooflight XML points
- FB17329 - Loggia heater controller now removed from XML when heaters are removed from job.
- FB17340 - XML for doglegs created correctly when releasing jobs (Rapidly users).
- FB17343 - Glue now called to import users roof glazing
- FB17365 - Gutter type retained after exiting LivinRoom/Loggia editor.
- FB17388 - Email addresses from RoofWrightCustomers database view now imported and available as list of valid recipients per account.
- FB17568 - Dormer roof now matches the pitch on Ultra Roof.

- FB17655 - Ultrarroof Vent XML corrected for jobs with partial BG's.
- FB17728 - LivinRoom 2D and 3D corrected for BG cutout designs.
- FB17745 - Re-squirt warning now correctly updated with roof spec changes.
- FB17751 - UltraRoof posts correctly ordered in XML regardless of offset input ordering.
- FB17767 - Ultrarroof Frame Stiffener XML properties now output correctly.
- FB17770 - Cancelling Order Details no longer prompts roof re-squirt.
- FB17778 - Livinrom plasterboard height, ladder height and platform width now use roof setting calcs instead of being hardcoded.
- FB17801 - XML now generated correctly for designs with muntins starting/ending at dogleg starter bars.
- FB17825 - XML now correct for leanto design with left wallplate and dogleg cutouts.
- FB17854 - Wallplate intrusion XML on faceted designs corrected.
- FB17996 - Wok spider points in UF wireframe XML remain consistent regardless of whether design has cutouts or not.
- FB18013 - Veranda span of existing job is no longer reset to default when opening the Veranda editor.
- FB18083 - Quantal hip weight tag now correct and consistent with Barweight, SDG, XML
- FB18100 - Double-click to add loggia inside of LivinRoom/Loggia editor now works correctly.
- FB18204 - Guttering now shows correctly on LivinRoof Lean To (Rear BG).
- FB18258 - E-order form has 'Vent supplied by UF' label and checkbox (only visible when vent export tag = 12 and job is retrofit) and writes out an associated XML property and value.
- FB18274 - ladder\_dimension\_value and ladder\_dimension\_value2 XML value now output to 1 decimal place.
- FB18299 - Ultrarroof support post XML corrected on Partial BG with splits.

## 3D

- FB12393 - Trickle vents in frames and sashes now draw correctly in the centre of the window frame profile

- FB12670 – Height and width of brick texture for corbelling is now reflected correctly in 3D
- FB13375 – Lintel overhangs are now displayed correctly in 3D.
- FB14789 - The 3D model no longer disappears after using the 'Assembly sequence' tool and returning to the 3D tab from another tab.
- FB15301 - Conservatory Orientation now resets correctly.
- FB15313 - Adding/Changing house and garden photo from Order Details now works correctly.
- FB15497 - Resetting non-dwarf wall frames now draws wall returns correctly.
- FB15535 - LivinRoom privacy panel orientation corrected in 3D model, for cases which were previously incorrect.
- FB15609 - Opening windows/doors containing infill panels now display correctly in 3D.
- FB16530 - house/ garden photos containing EXIF orientation tags are now handled correctly on import.
- FB17788 - STL export now outputs with the correct orientation.
- FB17887 - Improvements to coupler lengths in 3D on gable frame and raked head designs.
- FB5942 - Drainpipes now draw correctly when Order Details external brick depth differs from System Preference external brick depth.
- FB6443 - Dummy bars are now visible in 3D when added to full height raked frames.
- FB9978 - Bottom cap on dogleg bars now displayed correctly in 3D.

## **Interface / General**

- FB10113 – Raked head frames now display correctly in the “All Frames” view of the Frames tab
- FB10159 – Updated/ re-structured conservatory design picker, allows access to Roof/Conservatory and Base only designs via drop-down menu
- FB10676 – Dragging conservatory a long distance from the origin no longer causes a Range Check or Integer Overflow error.
- FB11045 - Roof tab plan view now draws downpipe using shape from roof settings.
- FB12782 – Sub-directories for door bevels are now displayed correctly.

- FB14459 – Dormer roof and house designer roof textures can now be scaled in Order Details and System Preferences.
- FB14656 - Roof extra prices can now be hidden in Order Details via option in roof price file.
- FB14707 - OS Map Boundary plotting fixed.
- FB14903 - Arrow keys now navigate through available reports/ sub-directories.
- FB15026 - Previous 'Save Image as' folder is now remembered, when saving multiple screenshots.
- FB15237 - 'Frames' view is now correct on jobs with creasing tile walls.
- FB15343 - New functionality for editing and removing down pipes from within the roof tab.
- FB15412 - Steps can now be edited/ removed by right-click method.
- FB15254 - Fixes to 135 degree basework rules.
- FB17249 - Gable wall editor fixed.
- FB15499 - Wallplate length design parameter now applies correctly to design.
- FB17213 - Interface Restriction now works correctly for 'Frame-Offs' button.
- FB17233 - New Export option - Sheets to DXF.
- FB17391 - Restricted access to Pitch Editor when the design has no ridges or wall plates.
- FB17439 - 'Never Show Price in TaskPane' roof system preference now works correctly.
- FB17866 - SDG/TDG forms now load on correct screen when UDesign is not ran on primary screen.
- FB17882 - System Preferences>Editor 'Show Previews in re-open screen' now works correctly.
- FB17913 - Spiders now drawn correctly when 'Show Roof Tab in black and white....' user preference is checked.
- FB18033 - Squint calculator in BaseworkEditor now works correctly, using default external brick depth from System Preferences.
- FB18121 - Ground textures can now be scaled in Order Details ('Advanced' option against the texture) or System preferences ('Sizes' option against the texture).
- FB18180 - GlazingEditor now forces user to enter weight. GlazingEditor enables min/max banding of glazing weight Roof system preference to enable substitute unknown glazing by weight, for UF All-Tiles.

## Roof

- Lean-to cutouts now support wallplate and dogleg type cutouts, depending upon position and size of cutout.
- FB11984 – The correct spider type is now specified when creating hipped leanto section through the freehand editor.
- FB13886 – Frame-offs removes rafters previously situated in deadzones.
- FB14214 – Roof vents now move correctly, when a supporting rafter is removed.
- FB14754 - Dragging wallplate on a leanto to form a hipped end now creates the correct spider type.
- FB15483 - Tie bars added above the ends of gable designs are now placed on the first set of bars from back from the gable ends.
- FB15486 - Box gutters added to the back of designs automatically when dragging the back wall ridge point.
- FB16624 - Non-return P-shape roof sheets now fixed.
- FB17042 - Roof Vent specification label visibility now controlled by new roof system preference.
- FB17109 - Removing BG on Victorian no longer breaks design.
- FB17139 - Gable overhang now working correctly.
- FB17752 - Roof vent top offset now stored against job. Roof Vent Top Offset preference only read for creation of new vents, not on existing vents in re-loaded jobs.
- FB17754 - Hip bar weight and diagram tag inconsistencies resolved in some cases.
- FB18057 - Substitution of unrecognised glazing filters list of available replacements by matching thickness.
- FB18170 - Soffit overhang in Design Parameters no longer breaks design.
- FB18177 - Bespoke Roofs with valleys originating from a spider now draw correctly.
- FB18312 - Orangery lantern rear ringbeam is now drawn correctly.
- FB8451 - Roof vents now restricted from Frame Off section

## Frames

- FB10702 – Removing resins from a design now removes from frames on  $\frac{3}{4}$  height walls.
- FB12069 – ‘Use in Conservatories’ restriction for vertical slider style windows now works correctly.
- FB12233 – Window style bitmap export now defaults bitmaps to 256x256 pixels.
- FB13982 – Resins can now be added or removed via Order Details on frames only jobs.
- FB13995 – Height of first frame on each wall now created correctly after the design has been edited in the freehand editor.
- FB14332 - Patio door styles with a midrail can now be created.
- FB15589 - Midrail height and offset from its current position can now be accessed from the 'Door' option in the 'Frames' tab or by right-clicking on the glass panel below it.
- FB17366 - Baypoles are no longer created/priced in the middle of full height brick returns.
- FB17373 - Full height brick wall displays correctly on Gable end when split.
- FB18333 - Cancelling transom drop form in Frame Design no longer applies the change on exit.
- FB8723 - The 'Frame Wall Sets' settings now open correctly and respect password protection when selected through the Frame Profiles menu.

## Pricing

- FB12300 – Brick pillar couplers to the left side of a full height brick wall now price correctly.
- FB13407 – User can prevent the window price from being overridden in the job costing when prices are locked by un-ticking "Allow frames price to be overridden when locked" in window pricing.
- FB14107 - Groups which are P.O.A can be overridden to be included in total job cost.
- FB14254 – Doors now price correctly using style match plus transom/mullion costs if style does not exist, rather than pricing as a window.
- FB14619 – Roof matrix prices are now correct around boundary cases.
- FB14677 - New option to apply roof glazing carriage charge by glazing area.

- FB14809 - Setting an ancillary qty below minimum now causes question price to be POA.
- FB15788 - New feature to allow price override for specific retail discount groups.
- FB15789 - New option to prevent applying additional discount to specific retail discount groups.
- FB17297 - Roof glazing price override now works correctly on 'Is Retrofit?' jobs.
- FB17615 - BG cutouts through gable support beams now price.
- FB17839 - Spurious cill pricing fixed for roof only jobs.
- FB17999 - Improvements to Wall Coupler Pricing.
- FB18052 - Frames which use override mechanism to price by foil matrices no longer also add foil uplift.
- FB18156 - 'Cost Summary' window now shows as P.O.A if it exists when pricing a job (Job cost).
- FB4951 - Door pricing using Height+Width pricing mechanism now work correctly.

## Ancillaries

- FB14397 – Prices for ancillary questions which use Roof Price and Window Price (excl. House) multipliers are now displayed correctly in the ancillaries tab.
- FB14398 – Window Frame Count ancillary multiplier no longer includes brick pillar sections within it's count.
- FB14399 – Window Handle Count and Door Handle Count ancillary multipliers now return the correct values.

## Reports/Printing

- FB14241 – Headers and Footers manager allows styles to be applied across multiple reports
- FB14641 - DrawingData.WeldedCillLayout image field tidied.
- FB15267 - Gable Frame images now work correctly.
- FB15578 - AncillaryFields\_Value report field now updates correctly.
- FB15620 - Basework diagrams with Masonary plinth loggia are now correct/consistent.
- FB17151 - Images on 2D frame reports now scale correctly.

- FB17273 - 'Maintain Report Fields' preview image now updated correctly.
- FB17724 - StructuralChecks report fields now update correctly.
- FB17868 - Drawings saved whilst in Print tab no longer save with incorrect opaque glazing.
- FB17923 - User annotations can now have default properties set by user.
- FB18072 - Ultraroom External Roof Fascia report field now corrected.
- FB7125 - New option added to the Roof tab in system preferences that allows the rafter dimensions to be moved away from the eavesbeam on the printouts of the roof layout.
- FB9662 - Improved messages for user when printing a report to pdf that is already open.

## Structural Design Guide (SDG)

- FB17384 - Ultrasky roof bar spacing check corrected by rounding.
- FB18014 - Increased time for user input of manual loadings in SDG

## Functions

- FB14482 – InternalFloorArea calculation now respects full height frames.
- FB16950 - BGDepthExceedsCutoutDepth no longer fires on non-cutout Boxgutters.
- FB17239 - New function CutoutIntersectsBG() . Accepts boolean parameter to include/exclude template type cutouts.
- FB17240 - New function CutoutDistanceToFinial().
- FB17241 - New functions CutoutIntersectsGlassPanel() and CutoutDistanceToGlazingBarCentre() . Accept a parameter to include/exclude template type cutouts.
- FB17242 - CutOutLength function now accepts a boolean value, to include/ exclude template type cutouts from evaluation.
- FB18051 - New boolean function – DesignHasMixedGlazingThicknesses
- FB18197 - CutoutDistanceToGlazingBarCentre(True) function now returns correct value for some cases where previously incorrect.
- FB18221 - New function TodayPriorTo(specifieddatestr) , to compare current date versus user specified date.