
ARCHICAD 11 NEW FEATURE LIST

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Virtual Trace

Allows placement of selected Reference view as “Virtual Trace Paper” above/below/alongside current model display. You can use the following items as a Trace Reference:

- all model views (floor plans, sections/elevations), drawing views (Worksheets and Details)

- views and layouts
- Drag/offset/rotate Reference
- Trace & Reference Palette shows settings of Reference of currently active window
- Use Trace Reference to edit active view: trim with/adjust to elements on Reference, pick up element parameters from Reference
- Navigate easily and directly between the Active Content and the Reference by using the “Switch Reference with Active” command

For more information, see “Virtual Trace:” Using References to Edit and Compare Model Views and Drawings.

Compare the Reference with the Active Content (not available in 3D Views). Differences can be detected and visualized in several ways:

- Dynamic movement of Active over Reference and vice versa
- Dynamic adjustment of color & transparency/intensity of Reference and Active
- Moveable splitter bar dividing Active from Reference

For more information, see Compare Reference with Active.

Worksheet Tool

Dedicated Tool and environment for any kind of drawings (e.g. enlarged, partial floor plans and sections, site plans, etc.)

- Transfer (explode) the entire visible model (including annotations/dimensions) or any selected model content into Worksheet for further editing
- Finish plans using drafting & annotation tools
- Create any drawings from scratch and/or link to external files
- Link any type of marker to a Worksheet

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- Worksheet and Detail Tools available to generate/mark further Worksheets and Details from within a Worksheet

For more information, see Worksheets.

Section and Elevation Tools Separated

Sections and Elevations available as separate Tools in the Toolbox

- Own default settings and Favorites
- Dedicated Markers, linked Section and Elevation Markers
- Separate entities on the whole UI:
 - Navigator
 - Find and Select
 - TW Sign in

For more information, see Sections.

Interior Elevation Tool

Interior Elevation becomes a live ArchiCAD model view, with separate IE tool and dedicated IE viewpoint.

Interior Elevations are defined by polylines (no longer tied to zones)

An IE polyline represents a group of separate IE viewpoints, one for each edge of the polyline

Such IE groups are grouped in the Navigator's Project Map

Each viewpoint has an ID and name that can be assembled from various data (zone number, orientation, ID...) as an autotext

IE markers can be assigned to the whole group or to each individual viewpoint

IE view can be placed on layouts or published all at once.

Configuration options:

- order of viewpoints

- gap between viewpoints
- automatic adjustment of adjacent IE viewpoints to correspond to their story levels in the project
- optimize display to fit in space available

Dedicated Drawing Titles available to annotate IE viewpoints on Layouts

For more information, see Interior Elevations (IE).

Enhanced Drawing Markers

The primary function of markers is to indicate the location of the corresponding view and relevant drawing/layout information

Place any kind of drawing markers on any view with the appropriate view tool: Section, Elevation, Interior Elevation, Worksheet, Detail

There are two kinds of markers:

- Source marker: defines a viewpoint. Placing a source marker creates a new viewpoint. If deleted, the corresponding viewpoint will also be deleted

For more information, see Create a Section Viewpoint.

- Linked Marker: refers to an existing view or drawing. (multiple markers can refer to any single view/drawing)

Linked markers can refer to any kind of drawing (i.e Detail marker can refer to a Section drawing)

For more information, see Define Marker Reference for Linked Marker.

Navigation in the project is easy by using the markers

Broken links can be identified, relinked, deleted (Check Markers Palette)

For more information, see Managing Markers in ArchiCAD.

Enhanced Project Navigator

Project Map: structure separates all new view types (corresponding to the tools of the Toolbox's View group)

View Map: separate clone folders for all new view types
Select Trace Reference for the Active window directly from the Navigator

For more information, see The Navigator Palette.

Linework Normalization

Goal: optimize the 2D content for further editing and final output when creating 2D content (Details, Worksheets)

Logical display order maintained

Commands to merge connecting / overlapping elements or delete unnecessary / duplicate elements (lines, fills)

For more information, see Consolidating Lines and Fills in Drawing Windows.

Pen Sets in Views

Pen Sets are assigned to the views (as a result model views will be WYSIWYG)

Pen Set selection is available from View Settings and can be varied for placed drawings in Drawing Settings. Pen Sets can be edited directly from Drawing Settings.

For more information, see Pen Set.

PDF Export

Save as... PDF command available

High Resolution solid arcs/circles

Embedded Third Party font support

Enhanced gradient fill representation

For more information, see Save Document in PDF Format.

Quantities of Individual Element Components

Calculation of individual components of complex elements

Analytic volume calculation of composite element skins

Quantities available for listing (simple text and formatted) and Interactive Schedules

For more information, see Interactive Schedule in ArchiCAD Help.

XREF Layer Separation

In Layer Settings, the layers of any attached XREFs are listed separately, at the bottom of the layer list.

Layers of XREF projects cannot be unlocked, but you can show or hide these layers. When the XREF is deleted, these layers will also be deleted automatically.

If you do not want XREF layers to appear in Layer Settings, use the display filter pop-up at the top left of the dialog box and choose "Hide Xref layers".

XREF layers are not available from layer selection pop-ups in other parts of the user interface (e.g. Tool Settings dialog boxes and Info Box). However, if an XREF element is included in the last selection, its XREF layer does appear - for information purposes only (in italics) - in the Layer chooser pop-up.

For more information, see XREFs and the Layer Structure.

Uncut Line Types

Line Type of Uncut Lines for the floor plan representation can be set for individual elements

Drawing Quality can be enhanced (e.g. footing parts covered by earth, remote elements, etc.)

Enhanced Selection/Editing Feedback

Perfect visualization when feedback and drawing content conflict in such situations as:

- selection and pre-selection feedback
- moving elements in worksheet windows
- moving pasted content

More options in configuring selection/feedback:

- Element Information highlight always appears in the color that you set it.
- Element Information highlight “fades in” rather than appears suddenly
- Set the color of general feedback graphics (Options > Work Environment > More Options: Feedback graphics color)
- Set color of Marquee (same as Selection Dot color)

Functional improvements for placed drawings

- moving full drawing content
- clipped by the frame on the fly

New Curved Wall Types

Curved Slanted, Double Slanted walls

Curved Complex walls

For information on Complex walls, see Place a Wall/Column/Beam with a Complex Profile.

Link Construction Elements to Stories

Home Story and Show on Story settings will be separate option sets.

Home Story:

- Select Story - Assigns the element's Home Story as defined by the user; this can be the current story or any other story in the project
- Automatic – ArchiCAD assigns the element's Home Story based on its reference level when the element is created, and adjusts the Home Story as necessary whenever the element's elevation changes.

For more information, see Set Home Story.

Show On Stories:

- Home Story Only
- All relevant stories (Walls, Beams, Columns, Roofs only)

Additional options for Roofs, Slabs, Meshes and Objects:

- Home Story + One Story Up
- Home Story + One Story Down
- Home Story + One Story Up And Down
- All stories
- Custom (N/A for Objects)

For more information, see Control Element Display by Story (Show On Stories).

Multistory Hotlinked Modules

Save/Publish Multistory Module files

Holink Multistory structures in one step

- Select Story range from the file
- Hotlink the whole multistory file

All elements relevant in a story will be saved and hotlinked.

For more information, see Modules Involving Multiple Stories.

Single, unified Undo Queue for the whole Project

All model and drafting operations can be undone step by step, chronologically, regardless of the model or drawing view they were performed in.

Simplified Process for Creating Company-Standard Install Package

- for CAD Managers and for holders of University licenses
- Easy-to-use wizard creates “recorded” installation process with preferred custom settings
- End result: Single .exe file for installation on any number of computers

For information, see Getting Started.

Long file names

Long unicode file names (exceed the 32 character limitation)

- ArchiCAD project files (.pln, .pla., plc...)
- Hotlinked Modules
- Library Parts, Library Container
- DWG files, XREF-d DWGs

