

PROJECT PROGRAMMING

Customization of Program Views

Affinity has several pre-defined **program views** - Program, Space, Combined, and (NEW) Room Data. All views can be customized by adding new views, or manipulating existing columns.

New enhancements in the program view include:

- **Icon** tool tips
- Pre-defined **Room Data view**
- Ability to add **new views**
- Dynamically change **columns** - move, resize, hide or add
- View any **data properties** as columns in program views
- Expanded right-click **menu options** for columns

Program Relationships/ Bubble Diagramming

Program Relationships/Bubble Diagramming is available as a new tab in the Project Program. The diagram view is intended to enable users to visually display relative location/size, priority relationships, and adjacency requirements for spaces, departments, and buildings. **Color coded arrows** visually alert the user when spaces are not meeting an adjacency requirement specified in the Project Program.

The placement of spaces in the Relationships view can be used as a starting point in Schematic Design. Alt+Drag and drop a department in the design layout view to place spaces in the same pattern as specified in the Relationships diagram.

SCHEMATIC DESIGN

Customize Font Styles

Style Sheets for customized label displays and report styles enhance the presentation quality of Affinity, allowing users to tailor the look and feel to match their firm's brand style. Styles are defined and edited using the Template Editor and then selected for use within the Affinity project file.

Style Sheets configuration:

- Stored as open internet standard Cascading Style Sheets (CSS)
- All standard Windows fonts are available for use

Color-filtered Layout Views

Layout views can be filtered using color to show different properties of the spaces. Views can relate to any data property; common views include assigning color to spaces to identify their department, space type or use, category or area.

Mass Select Items to Change Properties

The ability to mass-select items for **quick editing of data properties** has been a highly requested productivity enhancement by Affinity users. Simply hold down the left mouse button and select all spaces, then change the desired property.

Quickly Adjust Affinity Settings

The **Show Settings Icon** is a new function available in several Affinity views for quick adjustments of settings like grid size, snap behavior, and font styles.

Improved Support for Large Sites

Large sites and campus designs are better accommodated by improved placement of rooms and buildings, access to all positions on the site, and enhanced zoom capabilities.

Extended Printing Capabilities

Printing is now available for 2D and 3D Schematic Design layouts and for Relationship Diagrams.

SCHEMATIC DESIGN

View Space Details in Pop-Ups

Scroll over a space in the Schematic Design layout to view a context-specific pop-up with space details, including department, size, and program area difference.

REPORTS & ANALYSIS

New Report Writer

The Template Editor allows users to **build new reports** and modify existing reports – including the font, style, and content that is displayed. The 3D view can also be included in Affinity Reports.

Greater control over the content and aesthetics of Affinity Reports enables users to further customize client presentations and easily incorporate Affinity Reports with other company documents.

Anyone with web design skills can easily set up Cascading Style Sheets and do more advanced report customization.

New Search Facility

Users can now build simple or complex searches for items in Affinity, view the list of items matching the search criteria, and update any properties of the items found, in the same view. Search examples include:

- Find and list all Doors in the design
- Find and list all Rooms that have a specified property, e.g. size, room finish, object, etc.
- Search for a specific Room and display its properties
- Search and list all items that meet multiple search criteria

SKETCHUP PLUG-IN

Bi-Directional Integration

Affinity's SketchUp® plug-in enables users to start a building design in either Affinity or SketchUp. The goal is to use SketchUp to work on the presentation of the design and/or to shape the exterior or footprint of the building.

The integration is bi-directional. As users make changes to the image in SketchUp, Affinity is updated dynamically.

PERFORMANCE & BIM INTEGRATION

Enhancements to Performance/Integration

Affinity 5.6 includes performance enhancements and advances in integration with **Revit® Architecture** 2010 (and 2008, 2009).

IFC SUPPORT

Support for IFC

Affinity Release 5.6 includes support for release 2x3 of the **Industry Foundation Classes (IFC)**. The IFC are an open, neutral, and standardized specification for Building Information Models. It provides support for:

- Data exchange among software applications within the AEC/FM industry sector
- Model-based description of spatial elements, building elements, MEP elements, and other components that constitute a building or facility
- Shape representation of such components
- Relationships of such components between each other and to the spatial and system structure
- Attachment of properties, classifications, external library access, etc. to such components