

# AC 29 Library Update 1

## Release Note

**BUILD NUMBER: 3533.3501**

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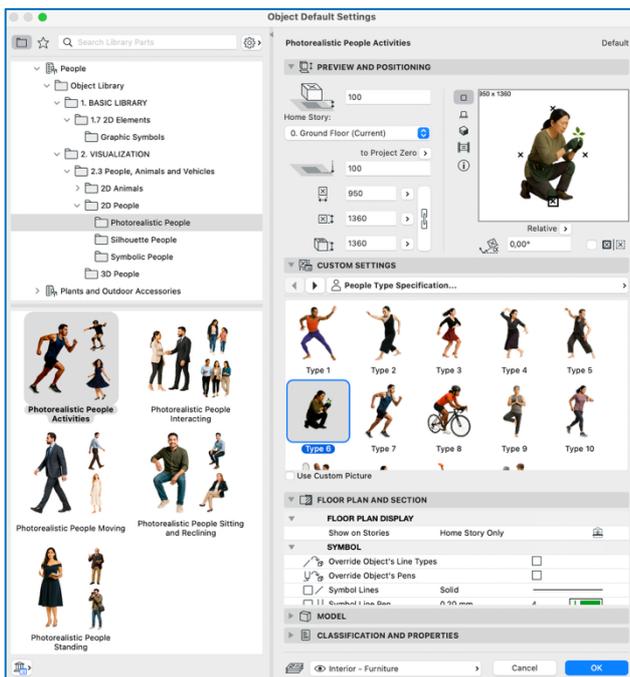
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## 1. 501 New 2D People and Animal Graphics

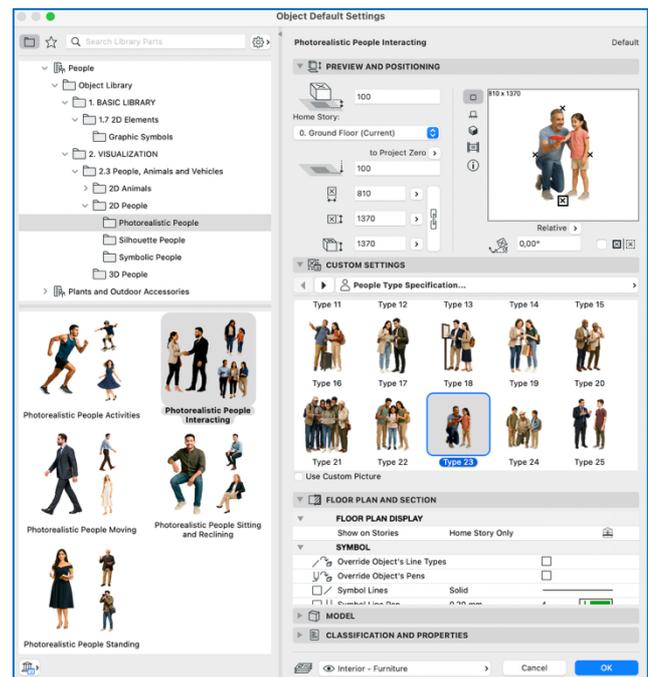
The 2D People set has been thoroughly expanded, bringing a fresh level of realism and inclusivity to visual representations. Architects can now portray everyday life with greater authenticity and diversity - reflecting varied human activities, abilities, ethnic backgrounds, and personal identities. The symbols are available in photorealistic, symbolic, and schematic views, and now include a selection of new animal figures.

### 1.1. Photorealistic View

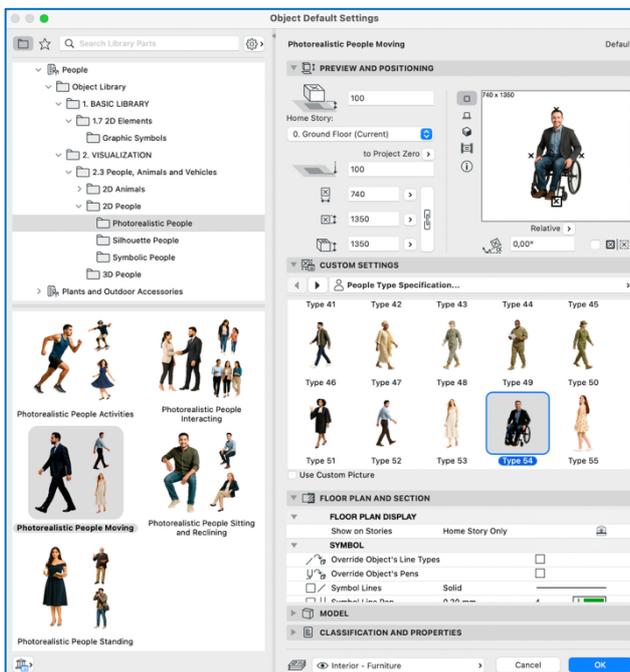
#### People - Activities



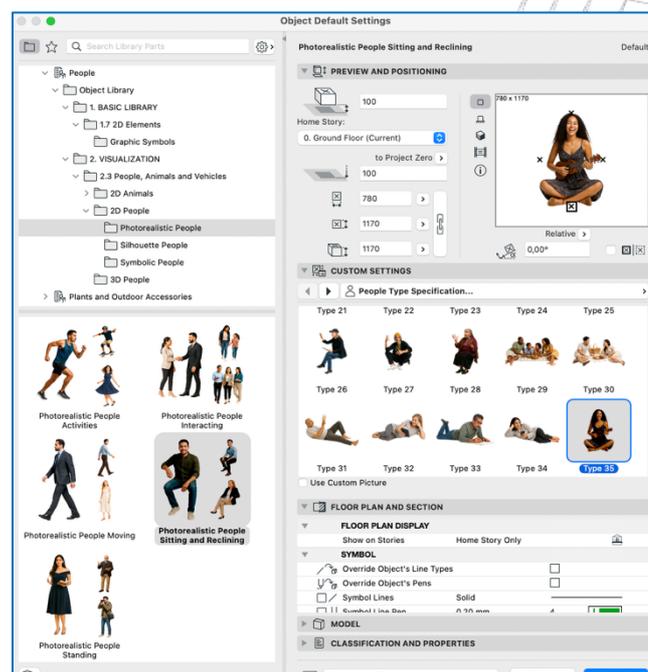
#### People - Interacting



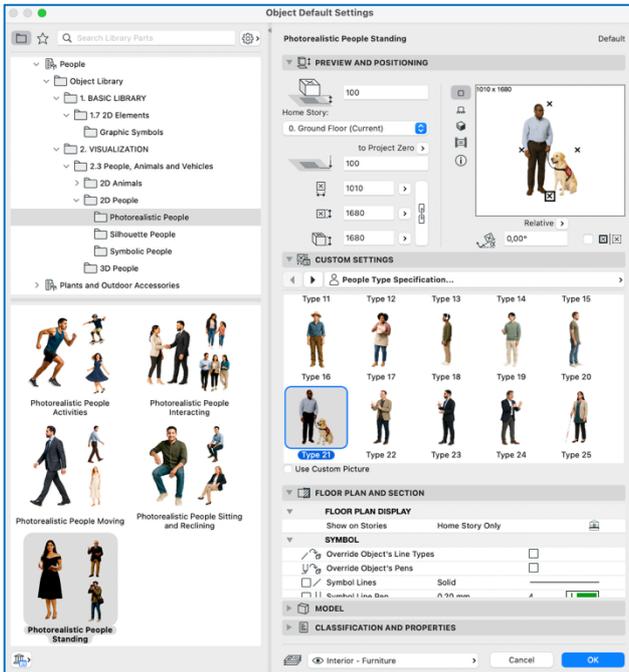
#### People - Moving



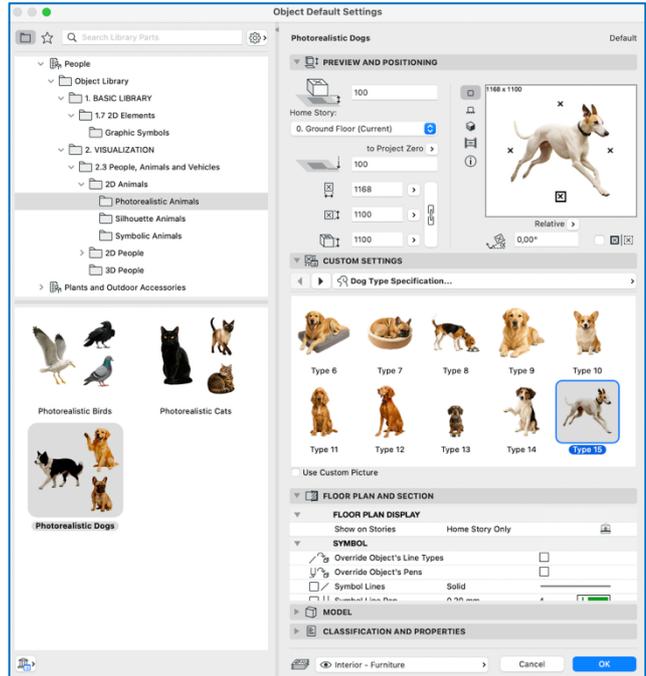
#### People - Sitting and Reclining



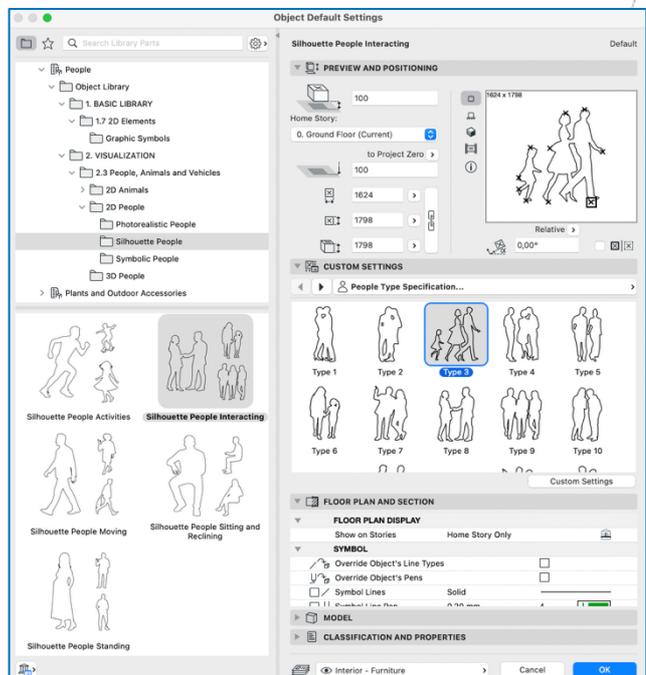
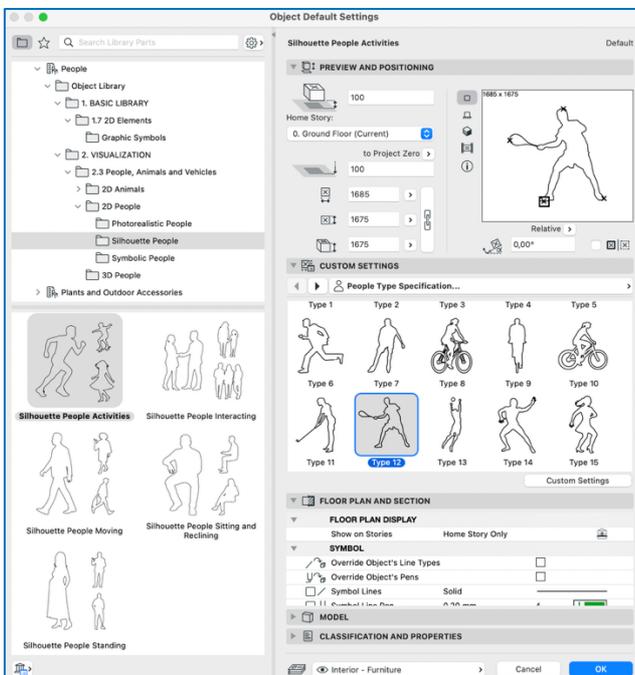
## People – Standing



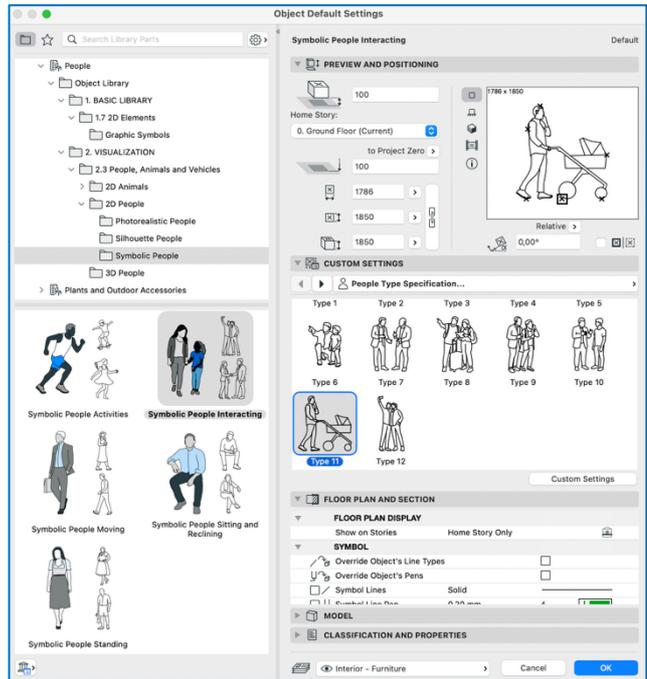
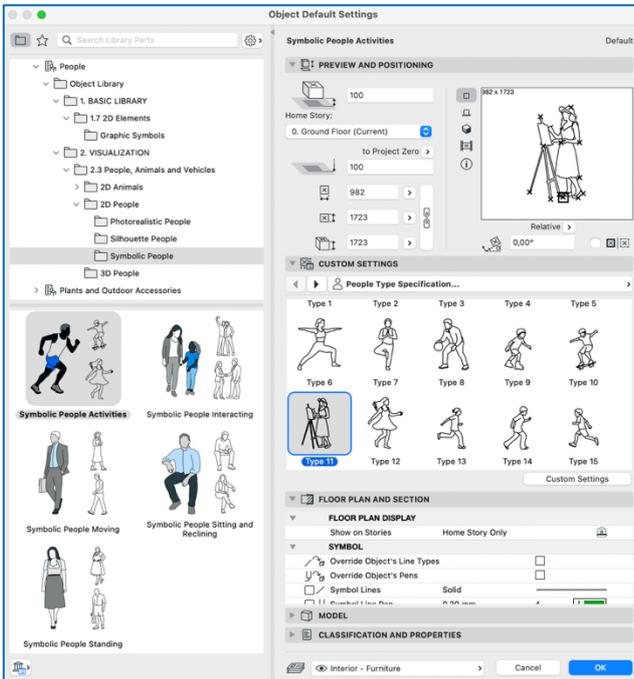
## Animals



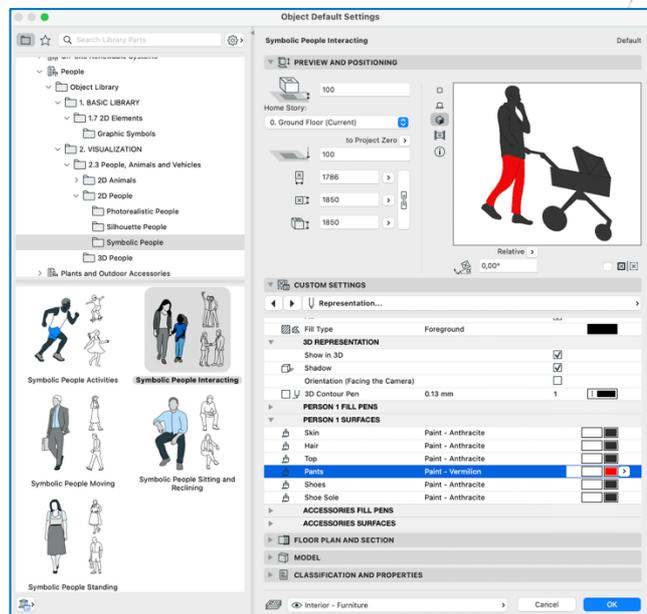
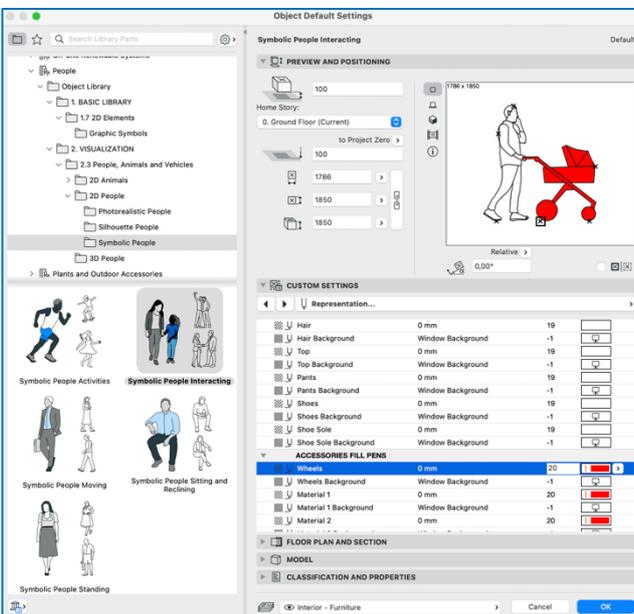
## 1.2. Silhouette View



### 1.3. Symbolic View



The Symbolic View now includes new custom settings, allowing you to assign distinct colors, fills, and surface attributes to different parts of the object for clearer and more expressive plan representation.



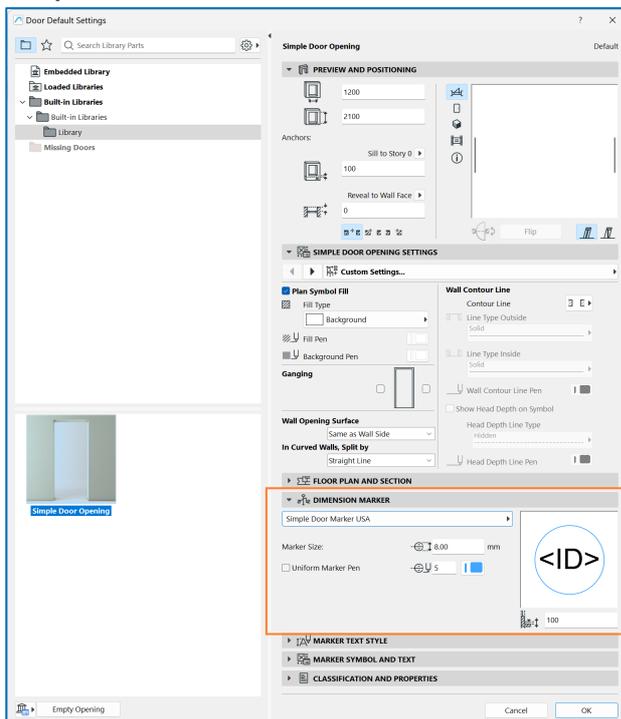
## 2. NCS USA Annotation Objects

Seven key NCS-compliant annotation objects (Drawing Title, Graphic Scale, Section Marker, Detail Marker, Interior Elevation Marker, Elevation Marker, and Level Dimension) are now available directly in the libpacks. This ensures smoother workflows for U.S. users working with the USA National CAD Standards (NCS).

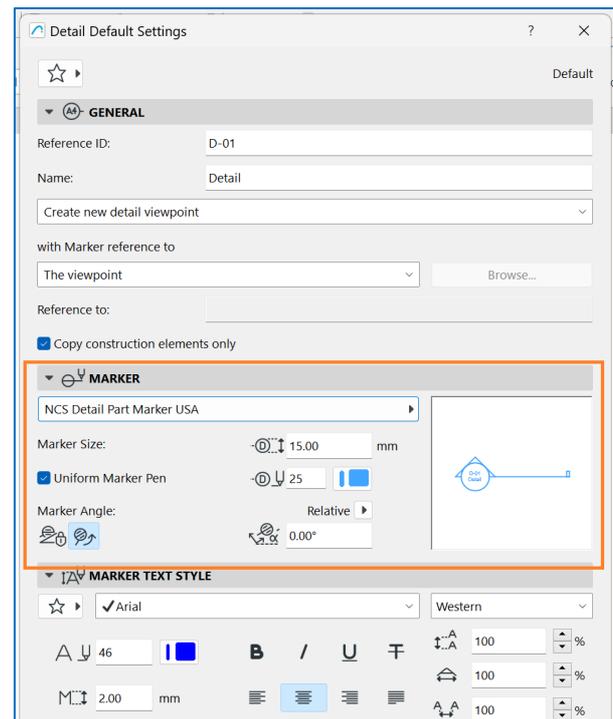
### 2.1. Annotation USA Library Package

Original Name as lcf	New Name in Libpacks
NCS Drawing Title	NCS Drawing Title 1 USA
NCS Drawing Title 2	NCS Drawing Title 2 USA
Simple Tile	Simple Tile USA
Section Part Maker NCS	NCS Section Part Maker USA
Detail Part Maker NCS	NCS Detail Part Maker USA
Door Marker USA	Simple Door Marker USA

#### Simple Door Marker USA



#### NCS Detail Part Maker USA



**NCS Drawing Title 1 USA,  
NCS Drawing Title 2 USA,  
Simple Title USA**

Drawing Selection Settings

Selected: 1 Editable: 1

**IDENTIFICATION**

Drawing ID: By View ID 2.  
 Include Drawing in ID sequence

Drawing Name: By View: Name only Story

Source File: Internal

Archicad view: \Untitled\Floor Plans\2. Story

Update Type:  Auto Last updated: 11/5/2025 3:49 PM  
 Manual Update Status: OK

Store Drawing in the Project file  
 Note: To update this Drawing, use Drawing Manager or context menu command.

**SIZE AND APPEARANCE**

Width: 340 mm  
 Height: 340 mm  
 Magnification: 100.00 %  
 Drawing Scale: 1:100  
 Original Scale: 1:100  
 Include Scale in Autotexting and Indexes

Anchor Point:  Use Drawing's internal origin as anchor  
 Angle: 0.00°

Pen Set: By View: 03 Architectural 100 Colors: Defined by Pen Set  
 Transparent Background

Embedded Layers: Drawing's own Layers...

On-screen Preview: Full Precision

**TITLE**

NCS Drawing Title 1 USA  
 Uniform Title Pen 65  
 Flip Title

Back Reference...

**TITLE TEXT STYLE**

**DRAWING TITLE**

Drawing & Figure

Cancel OK

**NCS Section Part Maker USA**

Section Default Settings

Default

**GENERAL**

**MODEL APPEARANCE**

**MARKER**

Dot & Dashed  
 Length: 85

Continuous  
 Segmented Length: 0.00 mm

Marker Head in the Middle  
 Marker Head at the Ends

NCS Section Part Marker USA

Marker Size: 6.00 mm  
 Uniform Marker Pen 25

**MARKER TEXT STYLE**

Arial Western  
 Font Size: 46  
 Line Spacing: 3.00 mm  
 Paragraph: 100% (Left, Center, Right, Justify)  
 Indent: 100% (Top, Bottom)

**MARKER SYMBOL AND TEXT**

Marker Geometry, Appearance...

Marker Text Rotation: Horizontal  
 Flip Marker  
 All Marker Text in One Row

Show Marker Fill  Show Background Fill

Fill Type: Foreground Fill Type: Background  
 Fill Pen: 105 Fill Pen: 105  
 Fill Background Pen: -1 Fill Background Pen: -1

**STORY LEVELS**

**STORY LEVELS TEXT STYLE**

**STORY LEVELS SYMBOL AND TEXT**

**GRID TOOL**

**PROPERTIES**

Marker - Section

Cancel OK

## 2.2. Graphic Symbols Library Package

Original Name as Icf	New Name in Libpacks
Graphic Scale NCS	Scale USA

### USA Scale

**Object Default Settings**

Scale USA (Default)

**PREVIEW AND POSITIONING**

Home Story: 100  
0. Ground Floor (Current)  
to Project Zero  
100

5000 x 564  
2m 5m  
Relative  
0.00°

**CUSTOM SETTINGS**

Unit Type Preference	Architectural
Scale Pen	0.13 mm 1
Solid Fill	Foreground

**TEXT SETTINGS**

Font Type	Arial
Font Style	Plain
Text Pen	0.13 mm 1
Text Size (mm)	2.00

**FLOOR PLAN AND SECTION**

**FLOOR PLAN DISPLAY**

Show on Stories: Home Story Only

**SYMBOL**

Override Object's Line Types

Override Object's Pens

Symbol Lines: Solid

Symbol Line Pen: 0.30 mm

**MODEL**

Override Surfaces: GENERAL

**CLASSIFICATION AND PROPERTIES**

Interior - Furniture

Cancel OK

Revision History Detailed  
Revision History NCS  
Revision History Simple  
Scale  
2%  
Slope Symbol  
Surface Legend  
No Fill Name

### 3. MVO Opening Type 5 for DACH Doors and Windows

To support garage doors with unique opening mechanisms, a new Opening Type 5 has been introduced. Certain configurations - such as upward-opening sectional doors and top-hung garage doors - use different opening line representations compared to standard doors and windows. These could not be accurately handled within the existing four Opening Types.

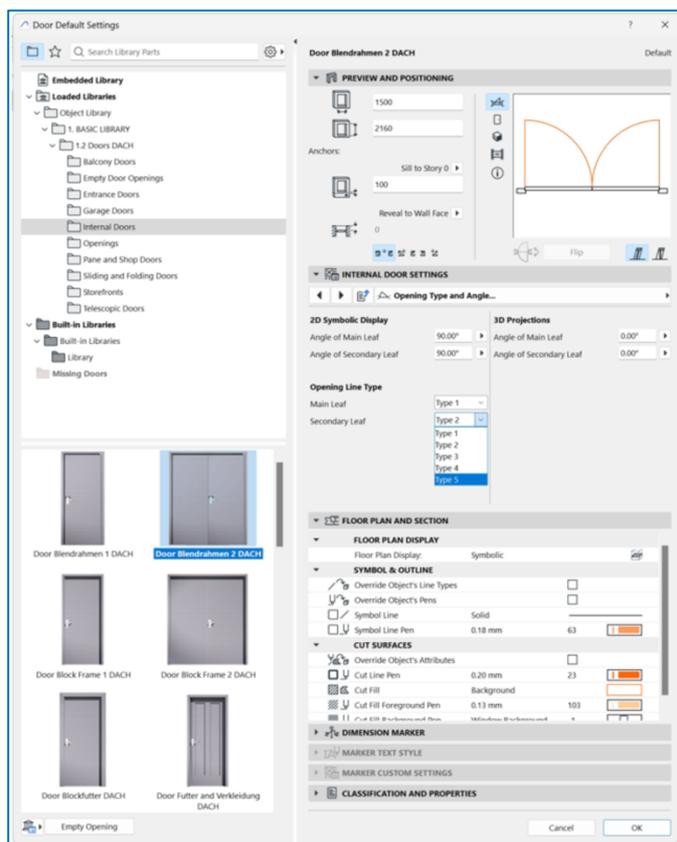
#### 3.1. Background - The additional 4 types in Archicad 29

Previously in Archicad, all doors and windows were treated in the same way - regardless of their real function. This created issues when a single opening contained multiple sashes with different roles (e.g., a fixed window plus an escape door), or when a window actually functioned as a terrace door. Designers couldn't precisely define or document how each sash should behave or be displayed. Therefore in Archicad 29 we delivered an MVO opening line improvement for DACH Doors and Windows with the following capabilities:

In all DACH door/window settings, you can define which Opening Type each operable sash belongs to. The same five Types are available for both doors and windows. In the MVO, you can then configure each of the five Types individually:

- Under **General Settings**: the Pen
- Under **2D Settings**: 2D visibility, 2D Type (curved/straight), Line Type
- Under **S/E/3D Settings**: 3D visibility, Opening Side Line Type, Opposite Side Line Type
- And for **Door/Window Sunshades**: visibility, line type, and Pen.

#### 3.2. The additional 5th type in Archicad 29 LU1



**Type 5** was added in response to a specific need identified with garage doors. Certain garage door configurations -such as upward-opening sectional doors and top-hung doors - use different opening line representations than standard doors and windows. These could not be accurately categorised using the existing four Opening Types. To accommodate these cases and allow proper display and documentation, a fifth Opening Type was introduced

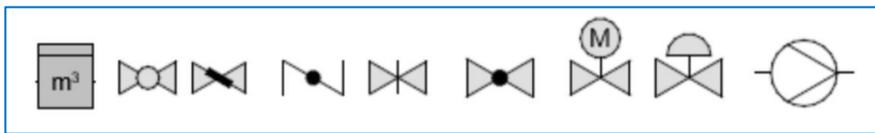
## 4. MEP Schematic Representation Enhancements

We have expanded and refined the schematic representation in the Floorplan by adding and adjusting a wide range of MEP symbols for in-line elements, equipment and fittings for pipe and ductwork. As a result, many more elements now support the new display mode when switching views. This enhancement makes it easier to read and interpret technical documentation directly within the floor plan. The update also introduces improved tools for creating custom schematic presentations, making it easier for designers to produce clear and standardized MEP documentation.

### 4.1. Default Schematic Representation - Piping

Added or improved symbols: Fittings, Valves, Pumps, Gas meter, Electric Appliances, Water Meter, Elbow Vertical, Branch Vertical, Vertical Pipe

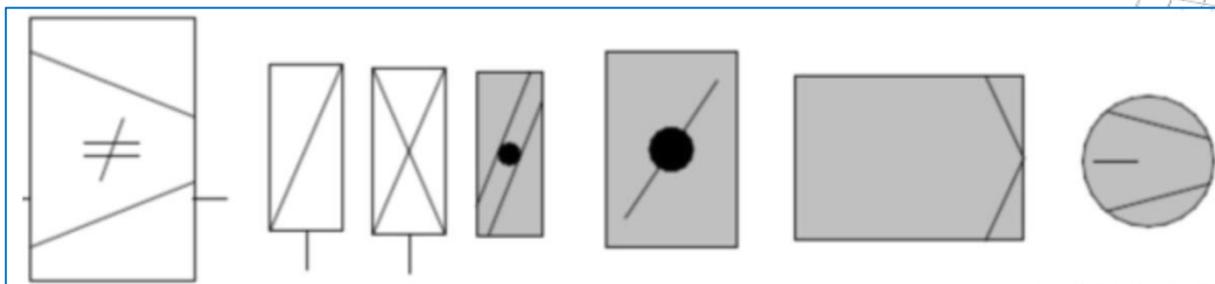
#### Accessories



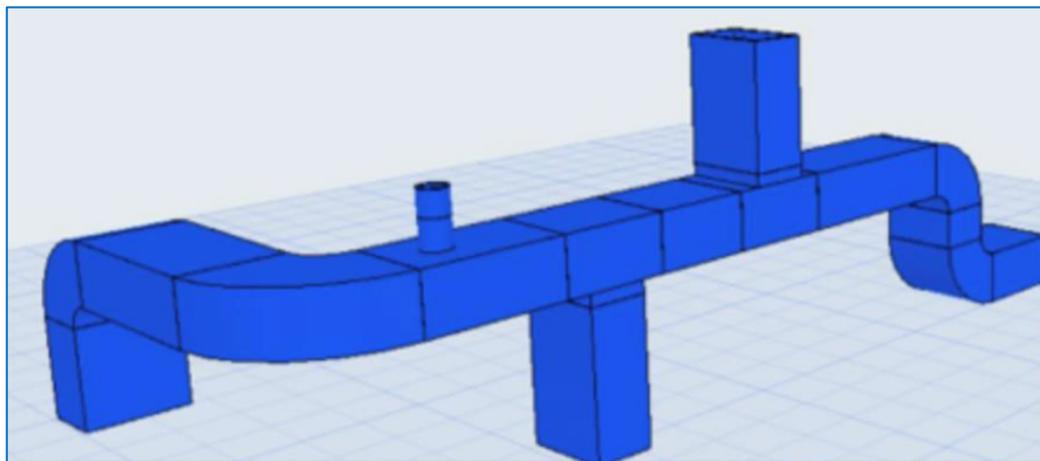
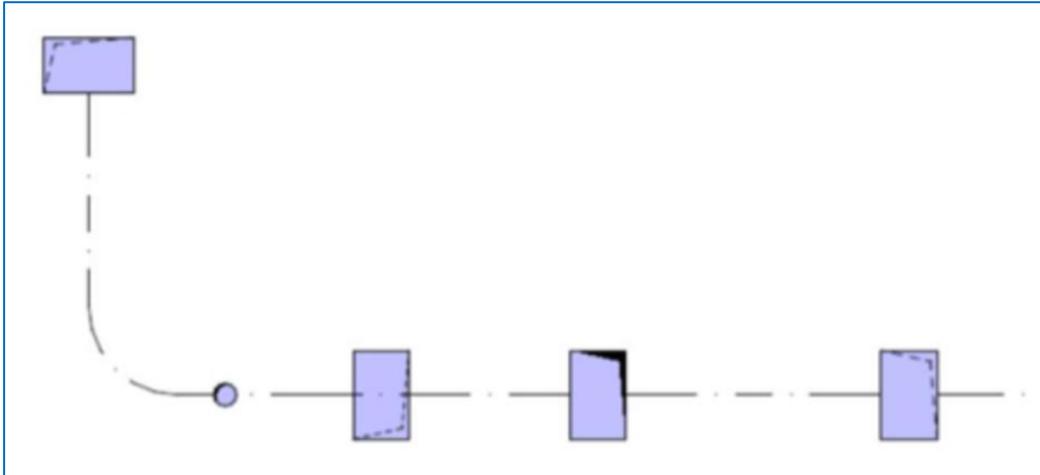
### 4.2. Default Schematic Representation - Ventilation

Added or improved symbols: Fan, Filters, Cooling, Heating Coil, Damper, Elbow Vertical, Branch Vertical, Vertical Duct

#### Accessories and Equipment



**Shadow symbols for vertical aligned elements**



## 5. Bugfixes

DEF-24332 - When a Surface Override is applied to stair subcomponents the Cut Fill is unexpectedly replaced with a solid fill using pen 19

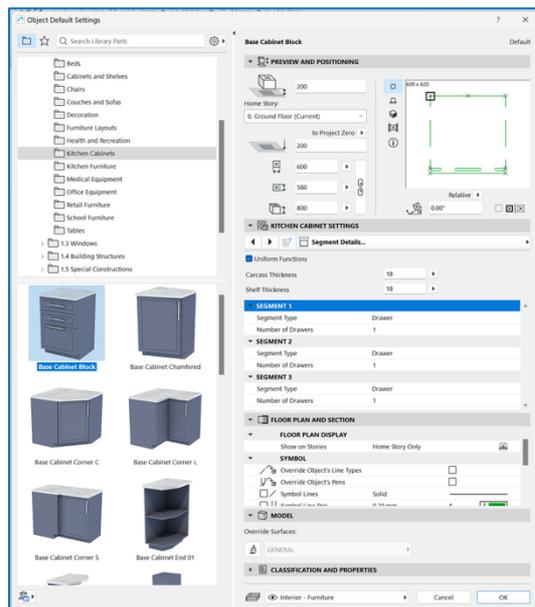
DEF-24977 - Stair dimension label page selector icons display incorrectly on Win

DEF-25443 - Triple window opening lines disappear in elevation

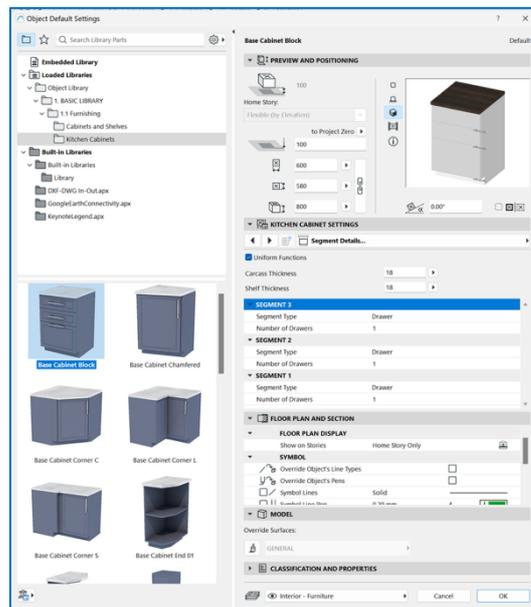
DEF-24268 - gs\_kamp - Parameter is activated in entrance doors

DEF-25340 - Cabinet Objects - Segment order flips (ACBETA-2579)

### Before



### After



## 6. List of All Modified Packages

### 6.1 New features

- New libparts
  - Annotation USA
  - People
  - Graphic Symbols
- Schematic symbols MEP
  - Essential Library
  - Fire Protection
  - Heating and Air-Conditioning
  - MEP Library
  - Object Macros
  - Plumbing Fixtures and Bathroom
- DACH Opening Line follow-up
  - Doors and Windows
  - Doors and Windows DACH
  - Doors and Windows USA
  - DW Macros
- Dark Mode on Mac follow-up
  - DIN 2D Symbols
  - Electric Symbols
  - Essential Library
  - Graphic Symbols
  - Roof Constructions
  - Stair and Railing
  - Vertical Transportation Structures

### 6.2. Bugfixes, small changes

- Appliances
- Essential Library
- Furniture Macros
- Additional Surface Catalog
- Annotation Elements
- Cabinets and Shelves
- Chairs
- Chimneys and Fireplaces
- Couches and Sofas
- Curtain Wall
- Decoration
- Doors and Windows SWE
- Electrical Equipments JPN
- Furniture Macros
- Furniture SWE
- Kitchen
- Library Part Maker
- Light Sources
- Object Macros
- Office and School Equipment
- Plants and Outdoor Accessories
- Skylights
- Sport and wellness
- Surface Catalog

### 6.3. Only translation and localization changes

- 2D Symbols SWE
- Annotation DACH
- Annotation JPN
- Annotation NOR
- Annotation RUS
- Basic Shapes and Special Constructions
- Doors and Windows JPN
- Tables
- Transportation and Parking
- Turning Curves CHE

