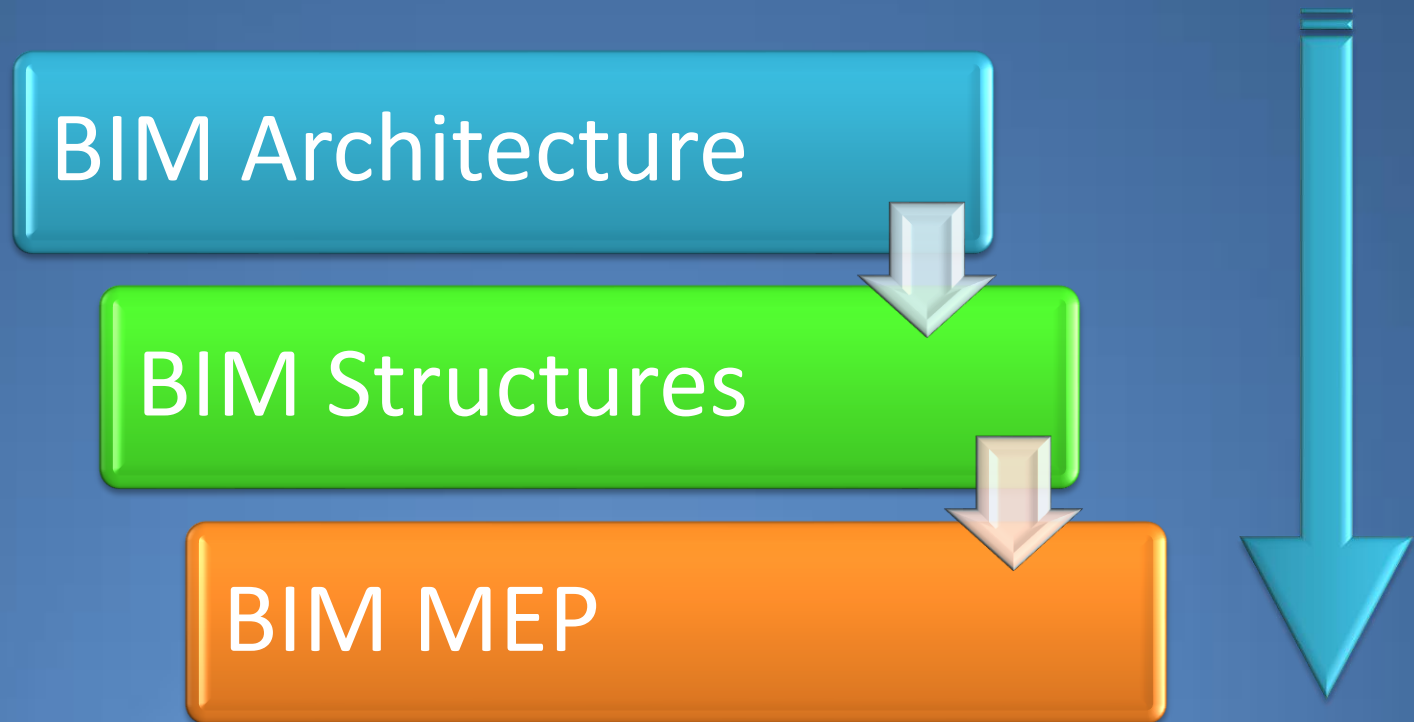
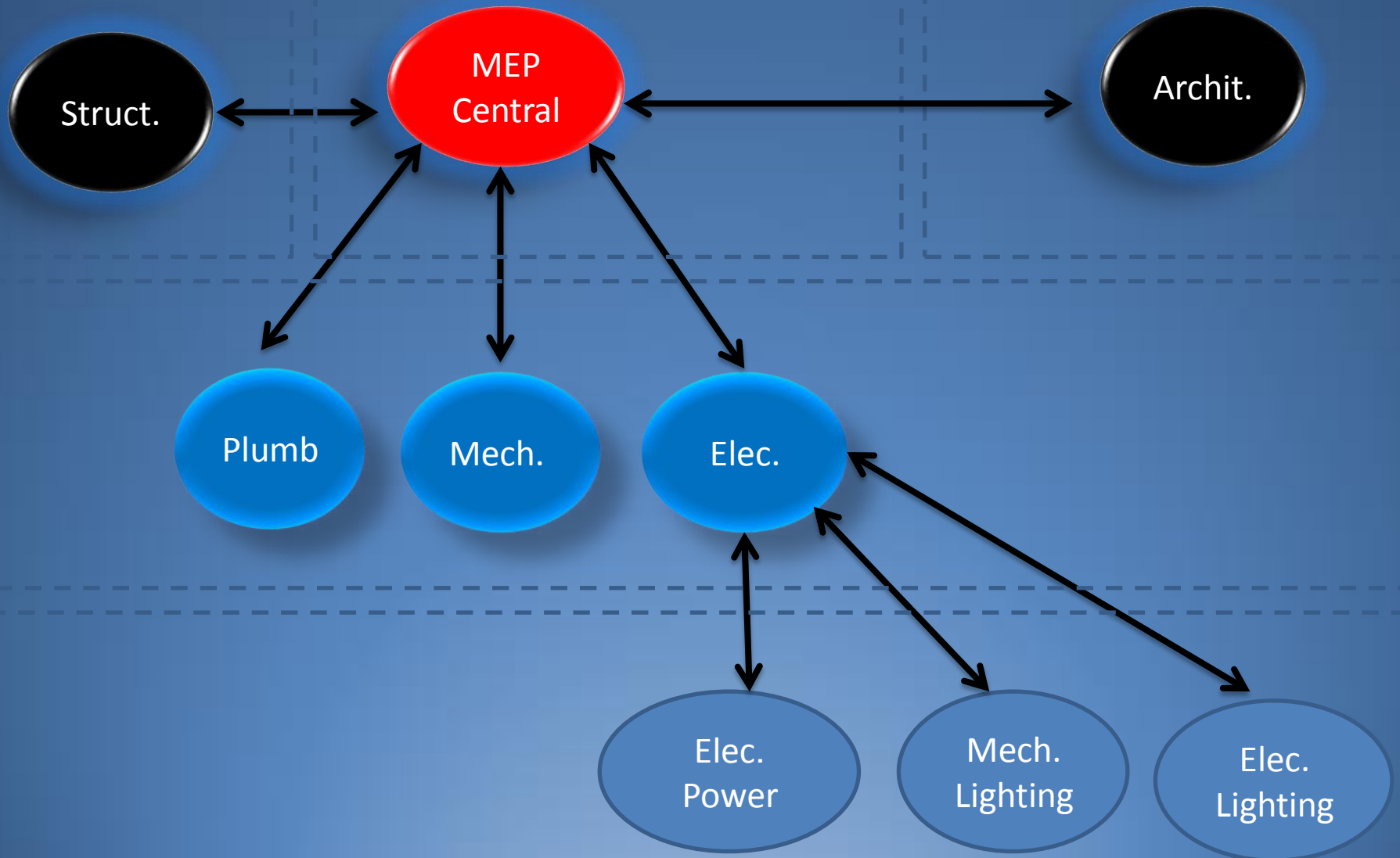


Revit MEP

System Structure



System Structure



Start

Start New Project

The screenshot displays the Autodesk Revit 2018 software interface. The top ribbon includes tabs for File, Architecture, Structure, Systems, Insert, Annotate, Analyze, Massing & Site, Collaborate, View, Manage, Add-Ins, and Modify. The 'File' menu is open, showing options like New, Open, Save, Save As, Export, Suite Workflows, Publish, Print, and Close. A sub-menu titled 'Creates a Revit file.' is visible, with 'Project' selected. Below this, a grid of project templates is shown, including 'rme_advanced_sample_project', 'electrical project', 'Electric cooler', '1 Vantail - Imposte haute', 'M_Ladder Horizontal Cross', and 'M_Channel Horizontal Tee'. A 'Resources' panel on the right lists 'What's New?', 'Help', 'What's New? Videos', 'Essential Skills Videos', 'Additional Videos', 'Autodesk App Store', and 'Revit Community'. A 'Getting Started Video' thumbnail is also present. The Autodesk Revit logo is in the bottom left corner.

Autodesk Revit 2018 - Recent Files

Type a keyword or phrase

Sign In

File Architecture Structure Systems Insert Annotate Analyze Massing & Site Collaborate View Manage Add-Ins Modify

Creates a Revit file.

- Project**
Creates a Revit project file.
- Family**
Creates a set of custom components to use in projects.
- Conceptual Mass**
Opens a template for creating a conceptual massing model.
- Title Block**
Opens a template for creating a Title Block family.
- Annotation Symbol**
Creates a tag or symbol to identify elements in the project.

Options Exit Revit

Resources

- What's New?
- Help
- What's New? Videos
- Essential Skills Videos
- Additional Videos
- Autodesk App Store
- Revit Community

Getting Started Video

**AUTODESK®
REVIT™**



Start New Project

The screenshot displays the Autodesk Revit 2018 software interface. The main window shows the 'New Project' dialog box, which is used to create a new project. The dialog has the following elements:

- Template file:** A dropdown menu currently set to 'Mechanical Template', with a 'Browse...' button to its right.
- Create new:** Two radio button options: 'Project' (which is selected) and 'Project template'.
- Buttons:** 'OK', 'Cancel', and 'Help' buttons at the bottom.

The background interface includes:

- Top Ribbon:** File, Architecture, Structure, Systems, Insert, Annotate, Analyze, Massing & Site, Collaborate, View, Manage, Add-Ins, Modify.
- Left Panel:** 'Projects' and 'Families' sections, each with 'Open...' and 'New...' options. Under 'Projects', there are templates like 'Electrical-Default_Metric', 'Mechanical Template', 'Architectural Template', and 'Construction Template'. Under 'Families', there is 'New Conceptual Mass...'. Various project and family thumbnails are visible, such as 'my rme_advanced_sample_project', 'rme_advanced_sample_project', 'electrcal project', 'Electric cooler', 'rme_advanced_sample_family', '1 Vanta...', and 'M_Channel Horizontal Tee'.
- Right Panel:** 'Resources' section with links for 'What's New?', 'Help', 'What's New? Videos', 'Essential Skills Videos', 'Additional Videos', 'Autodesk App Store', and 'Revit Community'. A 'Getting Started Video' thumbnail is also present.
- Bottom:** The Autodesk Revit logo and a Windows taskbar with various application icons and system tray icons.

C:\ProgramData\Autodesk\RVT 2019\Templates\US Metric

Start New Project

The screenshot displays the Autodesk Revit 2018 interface for a new project titled "Project1 - Floor Plan: 1 - Mech". The ribbon is set to the "Architecture" tab, with the "Modify" panel active. The ribbon includes various toolsets: "Build" (Wall, Door, Window, Component, Column, Roof, Ceiling, Floor, Curtain System, Grid), "Circulation" (Railing, Ramp, Stair), "Model" (Model Text, Model Line, Model Group), "Room & Area" (Room, Room Separator, Tag Room, Area, Area Boundary, Tag Area), "Opening" (Wall, Shaft, Vertical, Dormer), "Datum" (Level, Grid), and "Work Plane" (Set, Ref Plane, Viewer).

The Project Browser on the left shows a hierarchical structure for "Views (Discipline)":

- Mechanical
 - HVAC
 - Floor Plans
 - 1 - Mech** (highlighted with a blue glow and arrow)
 - 2 - Mech
 - Ceiling Plans
 - 1 - Ceiling Mech
 - 2 - Ceiling Mech
 - 3D Views
 - {3D}
 - Elevations (Building Elevation)
 - East - Mech
 - North - Mech
 - South - Mech
 - West - Mech
 - Plumbing
 - Plumbing
 - Floor Plans
 - 1 - Plumbing** (highlighted with a blue glow and arrow)
 - 2 - Plumbing
 - 3D Views
 - 3D Plumbing
 - Elevations (Building Elevation)
 - East - Plumbing
 - North - Plumbing
 - South - Plumbing
 - West - Plumbing
 - Legends
 - Schedules/Quantities
 - Sheets (all)
 - Families
 - Groups
 - Revit Links

The Properties panel on the right is set to "Floor Plan" and shows the following settings:

- Floor Plan: 1 - Mech (Edit Type)
- Graphics
 - View Scale: 1 : 100
 - Scale Value: 1 : 100
 - Display Model: Normal
 - Detail Level: Medium
 - Parts Visibility: Show Original
 - Visibility/Grap...: Edit...
 - Graphic Displa...: Edit...
 - Orientation: Project North
 - Wall Join Displ...: Clean all wall j...
 - Discipline: Mechanical
 - Show Hidden ...: By Discipline
 - Color Scheme ...: Background
 - Color Scheme: <none>
 - System Color ...: Edit...
 - Default Analys...: None
 - Sub-Discipline: HVAC
 - Sun Path:
- Underlay
 - Range: Base L...: None
 - Range: Top Le...: Unbounded
 - Underlay Ori...: Look down
- Extents
 - Crop View:
 - Crop Region V...:
 - Annotation C...:

The status bar at the bottom indicates "Ready" and "Main Model". The Windows taskbar at the very bottom shows the time as 11:39 AM and the date as 2019/07/27.

Insert Revit link

Insert Revit link

The screenshot displays the Autodesk Revit 2018 software interface. The title bar indicates the current project is "Project1 - Floor Plan: 1 - Mech". The ribbon is set to the "Insert" tab, which contains various options for linking and importing models. A black arrow points to the "Link Revit" button in the ribbon. A tooltip is visible over the "Link Revit" button, providing instructions on how to link another Revit model to the current model. The Project Browser on the left shows a hierarchical view of the project, including "Mech", "Ceiling Plans", "3D Views", "Elevations (Building Elevation)", "Plumbing", "Legends", "Schedules/Quantities", "Sheets (all)", "Families", "Groups", and "Revit Links". The Properties panel on the right shows the current view is "Floor Plan" with a scale of "1 : 100". The status bar at the bottom indicates the current view is "Main Model".

Autodesk Revit 2018 - Project1 - Floor Plan: 1 - Mech

File Architecture Structure Systems **Insert** Annotate Analyze Massing & Site Collaborate View Manage Add-Ins Modify

Link Revit Link IFC Link CAD DWF Decal Point Cloud Coordination Manage Links Import CAD Import gbXML Insert from File Image Manage Images Load Family Load as Group

Link Revit
Links another Revit model to the current model.

For example, you can link models together to specify the relative locations of individual buildings on a campus, or to coordinate efforts across disciplines (architectural, structural, and engineering).

Press F1 for more help

Project Browser

- Mech
 - 2 - Mech
 - Ceiling Plans
 - 1 - Ceiling Mech
 - 2 - Ceiling Mech
 - 3D Views
 - {3D}
 - Elevations (Building Elevation)
 - East - Mech
 - North - Mech
 - South - Mech
 - West - Mech
 - Plumbing
 - Plumbing
 - Floor Plans
 - 1 - Plumbing
 - 2 - Plumbing
 - 3D Views
 - 3D Plumbing
 - Elevations (Building Elevation)
 - East - Plumbing
 - North - Plumbing
 - South - Plumbing
 - West - Plumbing
 - Legends
 - Schedules/Quantities
 - Sheets (all)
 - Families
 - Groups
 - Revit Links

Properties

Floor Plan

Floor Plan: 1 - Mech Edit Type

Graphics

View Scale 1 : 100

Scale Value 1 : 100

Display Model Normal

Detail Level Medium

Parts Visibility Show Original

Visibility/Grap... Edit...

Graphic Displa... Edit...

Orientation Project North

Wall Join Displ... Clean all wall j...

Discipline Mechanical

Show Hidden ... By Discipline

Color Scheme ... Background

Color Scheme <none>

System Color ... Edit...

Default Analys... None

Sub-Discipline HVAC

Sun Path

Underlay

Range: Base L... None

Range: Top Le... Unbounded

Underlay Orie... Look down

Extents

Crop View

Crop Region V...

Annotation C...

Properties help Apply

1 : 100 Main Model

Click to select, TAB for alternates, CTRL adds, SHIFT unselects.

Insert Revit link

The screenshot displays the Autodesk Revit 2018 interface. The ribbon is set to the 'Insert' tab, and the 'Link Revit' button is highlighted. The 'Import/Link RVT' dialog box is open, showing a file list with 'Arch Link Model.rvt' selected. A blue arrow points to this file. The 'File name' field contains 'Arch Link Model.rvt' and the 'Files of type' is set to 'RVT Files (*.rvt)'. The 'Positioning' is set to 'Auto - Origin to Origin'. The background shows the Project Browser on the left with a tree view of mechanical and plumbing views, and the Properties panel on the right showing settings for the 'Floor Plan' view.

Autodesk Revit 2018 - Project1 - Floor Plan: 1 - Mech

File Architecture Structure Systems Insert Annotate Analyze Massing & Site Collaborate View Manage Add-Ins Modify

Link Revit Link IFC Link CAD DWF Decal Point Cloud

Project Browser - Project1

- Views (Discipline)
- Mechanical
 - HVAC
 - Floor Plans
 - 1 - Mech
 - 2 - Mech
 - Ceiling Plans
 - 1 - Ceiling Mech
 - 2 - Ceiling Mech
 - 3D Views
 - Elevations (Building Elevation)
 - East - Mech
 - North - Mech
 - South - Mech
 - West - Mech
 - Plumbing
 - Floor Plans
 - 1 - Plumbing
 - 2 - Plumbing
 - 3D Views
 - Elevations (Building Elevation)
 - East - Plumbing
 - North - Plumbing
 - South - Plumbing
 - West - Plumbing
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links

Properties

Floor Plan

Floor Plan: 1 - Mech Edit Type

Graphics

View Scale	1 : 100
Scale Value	1 : 100
Display Model	Normal
Detail Level	Medium
Parts Visibility	Show Original
Visibility/Grap...	Edit...
Graphic Displa...	Edit...
Orientation	Project North
Wall Join Displ...	Clean all wall j...
Discipline	Mechanical
Show Hidden ...	By Discipline
Color Scheme ...	Background
Color Scheme	<none>
System Color ...	Edit...
Default Analys...	None
Sub-Discipline	HVAC
Sun Path	<input type="checkbox"/>

Underlay

Range: Base L...	None
Range: Top Le...	Unbounded
Underlay Orie...	Look down

Extents

Crop View	<input type="checkbox"/>
Crop Region V...	<input type="checkbox"/>

Properties help Apply

1 : 100 Main Model 11:40

Pin Revit link

Pin Revit link

Pin (PN)
Locks a model element in place.

When you pin an element, you cannot move it unless the element is set to move with nearby elements or unless the level on which it resides moves up or down.

If you try to delete a pinned element, a warning indicates that the element is pinned.

Press F1 for more help

The screenshot shows the Autodesk Revit 2018 interface. The title bar reads "Autodesk Revit 2018 - Project1 - Floor Plan: 1 - Mech". The ribbon is set to "Modify | RVT Links". The Project Browser on the left shows a tree structure for "Project1" with categories like Mechanical, HVAC, Plumbing, and Legends. The Properties panel on the right shows "Linked Revit Model Arch Link Model.rvt" and "RVT Links (1)". The main view is a 2D floor plan of a mechanical system with various components and levels. A tooltip for the "Pin (PN)" tool is displayed over the ribbon, and a blue arrow points to the "Pin" icon. The status bar at the bottom shows "1: 100" and "Main Model".