

# Autodesk RVT\_ELEC\_01101 Latest Exam Review | RVT\_ELEC\_01101 Download Demo



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## Autodesk RVT\_ELEC\_01101 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Families: This section of the exam measures the skills of BIM Modelers and focuses on creating and editing Revit families. It includes defining MEP connectors, understanding system and component family types, configuring family categories, and setting up light sources. The section also assesses parameter creation, annotation family setup, and controlling element visibility to ensure effective customization and reuse across electrical projects.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Collaboration: This section of the exam measures the skills of Project Coordinators and covers collaboration workflows in Revit. It includes working with imported and linked files, managing worksharing concepts, and using interference checks. Candidates are also evaluated on data coordination through copy</li><li>monitor tools, exporting to different formats, managing design options, and transferring project standards to ensure effective teamwork in shared environments.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>Analysis: This section of the exam measures the skills of Electrical Engineers and focuses on performing analytical tasks in Revit. It includes conducting load calculations, conceptual lighting analysis, and configuring electrical settings for load classifications and demand factors. Candidates must show the ability to use Revit's analysis tools to ensure proper electrical design performance and energy efficiency.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>Modeling: This section of the exam measures the skills of Electrical Designers and covers creating and managing electrical elements within Revit. It includes adding electrical equipment such as panelboards and transformers, configuring circuits and low-voltage systems, and using the System Browser for navigation. Candidates must also demonstrate the ability to model connecting geometry, including conduits, cable trays, and wiring, with appropriate settings and fittings.</li></ul>



"Custom circuit data fields such as 'Breaker Type' or 'Wire Tag' are defined as project parameters applied to the Electrical Circuits category so they can be displayed in panel schedule templates." Incorrect options:

- A . Shared Parameter in Electrical Equipment - Electrical Equipment holds overall panel data (e.g., Mains Rating, Voltage) but not per-circuit data.
- B . Shared Parameter in Electrical Fixture families - Fixtures are individual load devices, not part of the circuit's breaker assignment.
- D . Project Parameter assigned to Electrical Equipment - would apply to the panelboard as a whole, not to individual breakers in circuits.

Thus, the correct answer is C. Project Parameter assigned to Electrical Circuits, ensuring each breaker in the panel schedule can display its type individually and dynamically.

References:

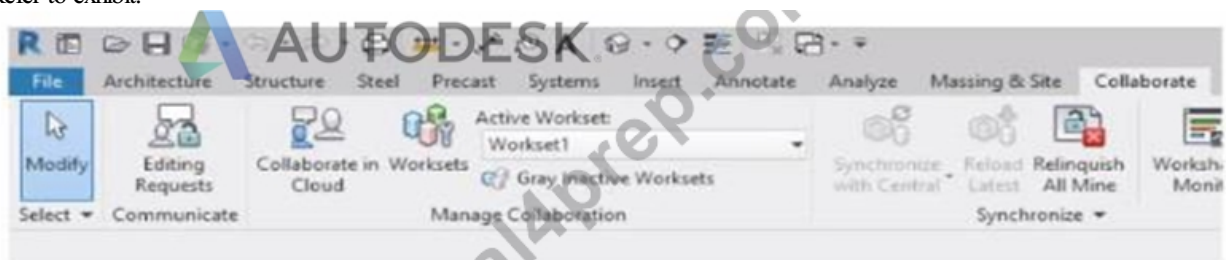
Autodesk Revit MEP User's Guide - Chapter 50 "Electrical Systems and Panel Schedules," pp. 1134-1142 Smithsonian Facilities

Revit Template User's Guide - Section 8.7 "Electrical Panel Schedule Customization," p. 91 Autodesk Revit Electrical Design

Essentials - "Custom Circuit Parameters and Schedule Configuration"

## NEW QUESTION # 19

Refer to exhibit.



Why is Synchronize with Central disabled?

After enabling collaboration for a project, an electrical designer observes the ribbon.

- A. The central model is unavailable or not found.
- **B. The designer is working in the central model.**
- C. The designer has unresolved editing requests.
- D. The designer has unrelinquished elements.

**Answer: B**

Explanation:

In Autodesk Revit, the Collaborate tab provides the tools necessary for managing multi-user worksharing environments. The Synchronize with Central command allows users to save their local changes back to the central model. However, this command becomes disabled under certain conditions - most notably when the user is currently working directly within the central file rather than a local copy.

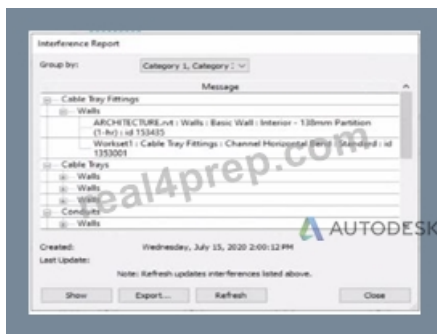
The Autodesk Revit User's Guide - Worksharing and Collaboration section clearly explains this behavior:

"When you open the central file directly, the Synchronize with Central option is unavailable because all edits are already in the central file. Worksharing operations such as borrowing, relinquishing, or synchronization only apply to local copies created from the central model." This rule ensures that the integrity of the central model is preserved and that no user directly edits or synchronizes within it, preventing potential file corruption. In normal collaborative workflows, users open local copies of the central model. The local files maintain an editable subset of elements while allowing synchronization and relinquishing operations.

Thus, the disabled Synchronize with Central button (as shown in the exhibit) indicates that the designer is currently in the central model, not a local copy. Since synchronization is unnecessary in this state - all changes are automatically applied to the central file - the command is grayed out.

## NEW QUESTION # 20

Refer to exhibit.



An electrical designer runs an interference check and reviews the Interference Report. How can the designer select the cable tray fitting referenced in the interference to resolve the clash?

- A. Select the row with the cable tray fitting, and activate IDs of Selection.
- B. Double-click the fitting that appears in the list.
- C. Select the row with the cable tray fitting, click Show, and select the fitting.
- D. Click Export, expand Cable Tray Fittings, and select Channel Horizontal Bend: Standard.

**Answer: C**

Explanation:

When performing an Interference Check in Revit, the Interference Report dialog is generated. This report lists all interfering elements found. To select or locate a specific element-such as a cable tray fitting-the designer must use the Show command.

The official workflow from the Revit documentation clearly states:

"To see one of the elements that is intersected, select its name in the Interference Report dialog, and click Show. The current view displays the problem." This confirms that selecting the row that lists the interfering cable tray fitting and clicking Show will highlight and activate the view containing the clashing element-allowing it to be modified or moved to resolve the conflict.

This means the designer must:

Click the row containing the cable tray fitting in the Message list.

Click Show to highlight and locate it in the model view so the clash can be addressed directly.

This reference explicitly confirms that Show is the correct method to select the clashing cable tray fitting from the interference results in order to resolve the conflict.

## NEW QUESTION # 21

Which feature shows which user created 3n element?

- A. Worksets dialog
- B. Show History
- C. Worksharing display modes
- D. Gray Inactive Worksets

**Answer: C**

Explanation:

In Autodesk Revit, the Worksharing Display Modes feature allows designers to visually inspect ownership and editing information about elements in a workshared model.

According to the Autodesk Revit MEP User Guide - Chapter 54 "Working in a Team":

"Worksharing Display Modes can be used to visualize the ownership of elements, including which user created or modified them.

For example, you can use the Worksharing Display command to show elements by their owner, workset, or checkout status." Thus, this mode identifies which user created or owns an element - making B. Worksharing display modes the correct choice.

Other options:

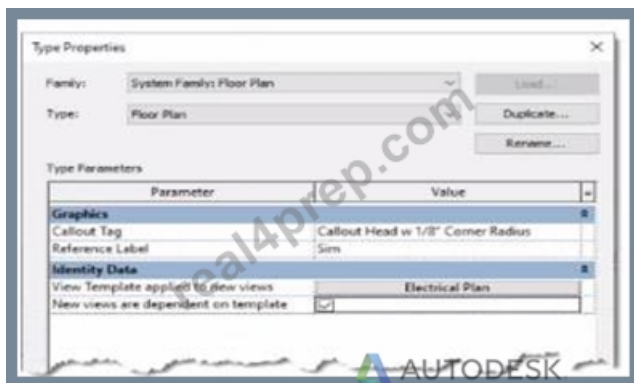
A. Gray Inactive Worksets: Only shows non-active worksets in gray, not creator info.

C. Show History: Displays synchronization comments, not element ownership.

D. Worksets dialog: Shows ownership of worksets, not individual elements.

## NEW QUESTION # 22

Refer to exhibit.



An electrical designer is reviewing the Type Properties for a floor plan view. How will the view behave when creating a new floor plan?

- A. A new floor plan view created by duplicating a floor plan view of the Floor Plan type will be duplicated as a dependent view.
- B. When duplicating a floor plan view of any type, the Electrical Plan view template will be assigned to the new floor plan view.
- **C. The Electrical Plan view template will be assigned to a new floor plan view created with the Floor Plan tool with the Floor Plan type selected**
- D. Creating a new floor plan view using the Floor Plan tool with the Floor Plan type selected will create a new Electrical Plan view template.

**Answer: C**

Explanation:

The exhibit shown displays the Type Properties dialog box for a System Family: Floor Plan view type. Within the "Identity Data" group, there are two critical parameters that govern the behavior of new views created from this view type:

"View Template applied to new views"

"New views are dependent on template"

According to Autodesk Revit's documentation in the Revit MEP User's Guide (Chapter 48 "Views and View Templates" and Chapter 49 "Preparing Construction Documents"):

"When a view template is assigned to a view type through the Type Properties dialog, any new view created from that view type automatically receives the defined view template. This ensures consistent visibility, graphics, and discipline settings for all new views."

In this image, the parameter "View Template applied to new views" is set to Electrical Plan, and "New views are dependent on template" is checked. This means that any new floor plan created using this type will automatically have the Electrical Plan template applied, and the view will be dependent on that template, meaning it inherits all its visibility and annotation control settings.

This ensures that all electrical floor plan views generated are standardized and visually consistent, a fundamental practice in Revit Electrical Design workflows, as described in the Smithsonian Facilities Revit Template User's Guide:

"Assigning a default view template to a view type (e.g., Electrical Plan) ensures every new view created follows organizational and graphical standards without manual setup." Option A matches this behavior exactly.

Option B is incorrect\*\* because Revit does not create a new template automatically.

Option C is incorrect\*\* because duplication of an existing view does not reassign templates by type.

Option D is incorrect\*\* because dependent view creation requires a specific "Duplicate as Dependent" command, not this setting.

References:

Autodesk Revit MEP User's Guide - Chapter 48 "Views and View Templates," pp. 1112-1115 Smithsonian Facilities Revit

Template User's Guide - Section 2.8.1 "View Types and View Templates," p. 30 Autodesk Revit Electrical Design Essentials - View Template Application and Management Section

## NEW QUESTION # 23

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