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Um die Bedürfnisse von den meisten IT-Fachleuten abzudecken, haben das Expertenteam die Prüfungsthemen in den letzten Jahren studiert. So kommen die zielgerichteten Fragen und Antworten zur Autodesk RVT_ELEC_01101 Zertifizierungsprüfung vor. Die Ähnlichkeit unserer Dumps mit den echten Prüfung beträgt 95%. It-Prüfung wird Ihnen helfen, die Autodesk RVT_ELEC_01101 Prüfung 100% zu bestehen. Sonst erstatteten wir Ihnen die gesamte Summe zurück. Sie können im Internet die Demo zur Autodesk RVT_ELEC_01101 Zertifizierungsprüfung kostenlos herunterladen, so dass Sie die Zuverlässigkeit unserer Produkte testen können. Schicken Sie doch die Produkte von It-Prüfung in den Warenkorb. It-Prüfung wird Ihren Traum verwirklichen.

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Autodesk RVT_ELEC_01101 Prüfungsplan:

Thema	Einzelheiten
Thema 1	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.
Thema 2	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.
Thema 3	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.
Thema 4	- 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 - monitor tools, exporting to different formats, managing design options, and transferring project standards to ensure effective teamwork in shared environments.
Thema 5	Documentation: This section of the exam measures the skills of Revit Technicians and covers manipulating views, templates, and schedules to produce accurate documentation. It includes managing panel schedules, creating various view types such as legends, callouts, and 3D views, and applying phasing and revision management. Candidates are also tested on annotation tools, including tags, keynotes, and note blocks, to ensure clarity and consistency in project documentation.

Autodesk Certified Professional in Revit for Electrical Design RVT_ELEC_01101 Prüfungsfragen mit Lösungen (Q48-Q53):

48. Frage

An electrical designer is routing conduit through a building model to coordinate with other disciplines, the electrical designer wants to view selected components in a cropped 3D view.

With the conduit components selected, which tool should the designer use?

- A. Default 3D View
- B. Scope Box
- C. Selection Box
- D. Section Box

Antwort: C

Begründung:

In Revit Electrical Design, the Selection Box tool is used to quickly isolate and display selected components in a cropped 3D view. When an electrical designer selects conduits or devices in a model and chooses Selection Box from the Modify tab, Revit automatically generates a 3D view bounded tightly around the selected elements, helping coordinate routing in confined or congested

spaces.

According to the Revit MEP User's Guide under "Creating 3D Views":

"Use the Selection Box tool to create a 3D view that isolates selected elements. Revit automatically crops the view extents to the selected geometry." This feature is critical in multidisciplinary coordination because it allows the electrical designer to review specific conduits, cable trays, or lighting paths in context without manually adjusting view boundaries.

In contrast:

Default 3D View (Option B) shows the entire model.

Scope Box (Option C) controls view extents in 2D views or view templates, not instant isolation.

Section Box (Option D) is manually adjusted within an existing 3D view but does not automatically generate a cropped view around selected elements.

Therefore, the Selection Box is the correct and most efficient tool for this task.

References:

Autodesk Revit MEP User's Guide - Chapter 47 "Creating and Managing 3D Views," pp. 1108-1111
Smithsonian Facilities Revit Template User's Guide - Section 3.6 "Egress Routes and Coordination Views," p. 40
Autodesk Revit Electrical Design Essentials - 3D Visualization and Coordination Techniques

49. Frage

Refer to exhibits.

(The image is presented in Imperial units: 1 In = 25 mm (Metric units rounded].) An electrical designer creates a lighting fixture family with the following types and then saves the family.

- A. 0
- B. 1
- C. 2
- D. 3

Antwort: C

Begründung:

In Autodesk Revit, each type within a family represents a unique combination of parameters such as size, voltage, photometric properties, and construction configuration. When a family is created in the Family Editor, the designer can define multiple Family Types using the Family Types dialog. This interface allows the user to duplicate, rename, or modify type parameters before loading the family into a project.

In the exhibit, the Type Name dropdown list clearly shows two available lighting fixture types:

1x4 - 120

1x4 - 277

These two types appear to represent different voltage configurations of the same 1x4 light fixture format. Since these are the only types visible in the Family Types selection preview, the correct number of family types saved within the family file is two.

Revit's behavior aligns with standard family management described in documentation, which explains that every defined type is listed in the Family Types browser. When a designer saves a family, all defined types are stored and become available for placement in the project environment. Devices can then be selected based on parameters such as voltage or photometric values, which are often driven by electrical design requirements.

The Revit MEP User's Guide explains how type properties and family types are controlled:

"Selection of named items or elements [such as Family Types] are managed through the Properties and Family Types dialogs, allowing multiple variations to exist within a single family."

50. Frage

An electrical designer is creating a panelboard family. The electrical designer wants to create a family parameter to control the visibility of a clearance zone. In the Parameter Properties dialog, select the required Discipline and Type for the parameter.

Antwort:

Begründung:

51. Frage

Refer to exhibit.

An electrical designer is working in a view set for Phase 3.

Which elements within this view will be overridden according to the "Temporary" graphic override settings?

- A. Elements that will be demolished in Phase 4
- **B. Elements that were created and demolished in Phase 3**
- C. Elements that were created and demolished in Phase 2
- D. Elements that were created in Phase 1 and demolished in Phase 3

Antwort: B

Begründung:

In Autodesk Revit, phasing is used to represent different stages of a project - for example, existing conditions, demolition, and new construction - all within a single model. Each view is assigned to a specific phase, and elements in that view are displayed according to their phase status (created, existing, demolished, or temporary).

According to the Autodesk Revit User's Guide (Phasing and Phase Filters section):

"Each element in a project has 2 key phase-related parameters:

Phase Created - the phase in which the element was created.

Phase Demolished - the phase in which the element is demolished.

These parameters control how elements display in different views depending on the view's assigned phase and phase filter."

- Revit User's Guide, Chapter: Phasing and Phase Filters

Revit automatically applies Graphic Overrides to display phase statuses. These are defined under Manage tab → Phases → Graphic Overrides. The categories include:

Existing

Demolished

New

Temporary

"Elements that are both created and demolished in the same phase are considered Temporary and display using the Temporary graphic override settings."

- Revit MEP User's Guide, Managing Phases and Graphic Overrides

Applying This to the Exhibit:

In the exhibit, the project includes multiple phases (Phase 1 through Phase 5). The designer is currently working in Phase 3.

Elements created and demolished in the same phase (Phase 3) are displayed as Temporary.

Elements created in earlier phases (e.g., Phase 1) and demolished in the current phase (Phase 3) are displayed as Demolished.

Elements created in later phases (e.g., Phase 4) do not yet exist and are not shown.

Therefore:

A. Elements that will be demolished in Phase 4 → not applicable; those elements are still active in Phase 3.

B. Elements created in Phase 1 and demolished in Phase 3 → will appear as Demolished, not Temporary.

C. Elements created and demolished in Phase 3 → correctly displayed using Temporary graphic overrides.

D. Elements created and demolished in Phase 2 → would not appear in Phase 3 (they were already removed).

Verified References from Revit Electrical Design Documentation:

Autodesk Revit MEP User's Guide (2011), "Working with Phases":

"Elements created and demolished in the same phase are shown using the Temporary phase graphic override settings." Autodesk Revit Architecture and MEP Official Study Guide, "Phasing and Phase Filters":

"Temporary elements exist only during the phase in which they are created and demolished; they are displayed using the temporary override graphics."

52. Frage

Refer to exhibits.

□ An electrical designer models an existing receptacle on an existing wall that the architect has indicated to be demolished.

□ The view is intended to show demolition, and the view's Phase is set to New Construction. How should the designer indicate that the receptacle must also be demolished?

- A. Add a Demolition phase, then set the receptacle parameter Phase Demolished to Demolition.
- B. Set the receptacle parameter Phase Demolished to Demolition.
- **C. Set the receptacle parameter Phase Demolished to New Construction.**
- D. Set the receptacle's type parameter Match Phasing to Host.

Antwort: C

Begründung:

In Autodesk Revit, phasing allows designers to track existing, demolished, and new elements across different project stages. Every model element includes two key phasing parameters:

Phase Created - defines when the element was built or introduced.

Phase Demolished - defines when the element is removed or demolished.

In the provided exhibits:

The project contains two phases: Existing and New Construction.

The receptacle's Phase Created parameter is set to Existing, indicating it belongs to the pre-existing building condition.

The architectural wall hosting the receptacle is to be demolished during New Construction.

When a view's Phase is set to New Construction and its Phase Filter is configured to show demolition, only elements whose Phase Demolished equals New Construction will appear as to be demolished. Therefore, the electrical designer must set the receptacle's Phase Demolished value to New Construction so that it graphically displays as a demolished element in the demolition plan.

As explained in the Autodesk Revit MEP User's Guide - Phasing and Coordination:

"Elements created in one phase and demolished in a subsequent phase must have their 'Phase Demolished' parameter set to that later phase to display properly in demolition views." Thus, to correctly coordinate with the demolition of its host wall, the receptacle must be flagged for demolition during New Construction.

53. Frage

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