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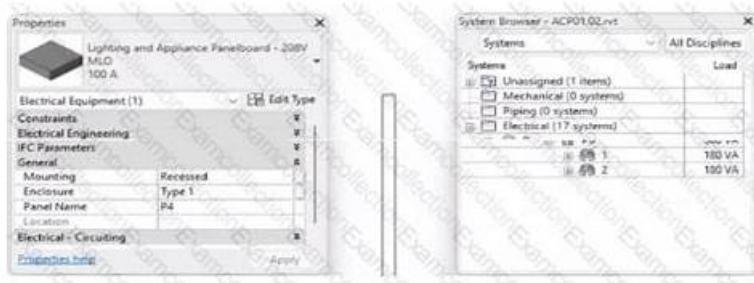
The importance of learning is well known, and everyone is struggling for their ideals, working like a busy bee. We keep learning and making progress so that we can live the life we want. Our RVT_ELEC_01101 practice test materials help users to pass qualifying examination to obtain a RVT_ELEC_01101 qualification certificate are a way to pursue a better life. If you are a person who is looking forward to a good future and is demanding of yourself, then join the army of learning to pass the RVT_ELEC_01101 Exam. Choosing our RVT_ELEC_01101 test question will definitely bring you many unexpected results!

Autodesk RVT_ELEC_01101 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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.
Topic 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.
Topic 3	• 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.
Topic 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.
Topic 5	• 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.

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Autodesk Certified Professional in Revit for Electrical Design Sample Questions (Q20-Q25):

NEW QUESTION # 20
Refer to exhibit.
The exhibit is a lighting fixture family in the Family Editor environment and the light source is selected.
An electrical designer has downloaded a photometric web tile in IES format from a manufacturer's website for use within this lighting fixture family.
Define the light source's Emit Shape and Light Distribution for use with the photometric web (IES) file. (Select two in the answer area.)

Answer:

Explanation:

NEW QUESTION # 21
What should an electrical designer do to associate a lighting device with light fixtures in a model?

- A. Create a switch system by selecting a switch and then adding lights
- B. Create a switch system using the light fixtures to define the system and add the switch.
- C. Create an electrical circuit including the light fixtures and switch as one selection.
- D. Create an electrical circuit using the light fixtures to define the system and add the switch.

Answer: A

Explanation:
In Autodesk Revit Electrical Design, a lighting device (switch) must be associated with lighting fixtures through a switch system, not through electrical circuits. Switch systems are independent of lighting circuits and wiring, as they are intended to represent the control relationship between a light switch and the lighting fixtures it operates.
According to the Autodesk Revit MEP User's Guide (Chapter 17 - Electrical Systems, pages 475-478), the official method is described under "Creating a Switch System."
"You can assign lighting fixtures to specific switches in a project.
The switch system is independent of lighting circuits and wiring."
(Revit MEP User's Guide, p. 475)
"To create a switch system:
Select one or more lighting fixtures in a view, and click
Modify | Lighting Fixtures tab ➤ Create Systems panel ➤ Switch.
Click Switch Systems tab ➤ System Tools panel ➤ Edit Switch System.
Click Add to System, and select one or more lighting fixtures.
Click Select Switch, and select a switch in the drawing area.
Click Finish Editing System."**
(Revit MEP User's Guide, p. 476)
How It Works:
The switch system links a lighting device (switch) with lighting fixtures, enabling Revit to manage how light fixtures respond to specific switches.
Unlike electrical circuits, which define power flow and load connections to panels, the switch system defines control logic (which lights are turned on/off by which switch).
The designer begins by selecting the switch and then adding lights to its system, ensuring all lights associated with that switch are

grouped correctly.

Supporting Extract from Revit Documentation:

"You can also create a lighting switch system by right-clicking the connector for a lighting fixture and clicking Create Switch System."

(Revit MEP User's Guide, p. 475)

"Add lighting fixtures to the switch system...

Click Select Switch and select a switch in the drawing area."

(Revit MEP User's Guide, p. 476)

"The switch system is independent of lighting circuits and wiring."

(Revit MEP User's Guide, p. 475)

Conclusion:

To associate a lighting device (switch) with light fixtures in a Revit electrical model, the designer must create a switch system. This is done by selecting the switch, then adding the desired lighting fixtures to that system using the Add to System and Select Switch tools under the Switch Systems tab.

NEW QUESTION # 22

Refer to exhibit.

An electrical designer has accidentally hosted Panel B to Panel A. Select two ways the designer can correct hosting. (Select two.)

- A. Use the Pick New command in the Work Plane panel.
- B. Use the Move command.
- C. Use the Edit Work Plane command
- D. Edit the Mounting value in the Properties palette.
- E. Edit the Host value in the Properties palette.

Answer: A,C

Explanation:

In Autodesk Revit's Electrical discipline, when electrical components such as panelboards are hosted incorrectly (for example, Panel B hosted to Panel A instead of a wall or level), the hosting relationship must be corrected by reassigning the work plane or host. This is essential because hosted electrical elements depend on the geometry or level of their host for placement, alignment, and coordination.

According to the Revit MEP User's Guide (Chapter 45 "Work Planes and Element Hosting"):

"If a hosted element is placed incorrectly or the host has changed, use the Edit Work Plane or Pick New commands to redefine its host or work plane." Here's how these two tools apply:

Pick New (Option A)

Located under the Work Plane panel on the Modify tab, this command allows you to select a new face or host (e.g., a wall, ceiling, or floor) for the existing component. It effectively reassigns the element's host without deleting or recreating the element.

"Use Pick New to specify a different face or surface as the host for a component that was incorrectly placed."

Edit Work Plane (Option E)

This command lets the designer redefine the reference level or named work plane to which an element is associated. For hosted electrical equipment (like lighting or panels), this ensures the object references the correct structural or architectural surface.

"To correct hosting errors, open Edit Work Plane from the Modify tab, and assign a new named plane, level, or face." Incorrect Options Explanation:

B . Edit Mounting value - changes only how the panel is mounted (e.g., recessed or surface), not the host itself.

C . Move command - repositions the element but does not change the hosting relationship.

D . Edit Host value - the "Host" parameter is read-only; it cannot be edited directly.

Thus, the correct methods to rehost Panel B from Panel A to the correct wall or work plane are through Pick New and Edit Work Plane, ensuring proper association and maintaining system connectivity.

References:

Autodesk Revit MEP User's Guide - Chapter 45 "Work Planes and Hosting," pp. 1068-1072 Smithsonian Facilities Revit Template User's Guide - Section 6.2.3 "Complex Geometry and Multiple Parametric Relationships," p. 57 Autodesk Revit Electrical Design Essentials - "Rehosting Electrical Equipment and Devices"

NEW QUESTION # 23

A project has 24 branch panel schedules that all need the same formatting changes. What should the electrical designer do?

- A. Use the Manage Templates command to edit and apply the template changes to all panel schedules.
- B. Select all panel schedules in the Project Browser, right-click and choose Apply Template Properties, and select the

desired template.
- C. Edit a panel schedule, right-click and choose Duplicate View, and duplicate changes lo desired panel schedules.
- D. Assign the desired view template to the panel schedules in the Properties panel.

Answer: B

Explanation:
To ensure consistency and efficiency when multiple branch panel schedules require identical formatting, Revit allows applying a panel schedule template to one or more schedules simultaneously.
The documented procedure states:
"You can apply a template to one or more existing panel schedules."
And further:
"Select the panel schedule(s).
For Apply Templates, specify the template to apply to the selected panel." This functionality lets an electrical designer select all 24 branch panel schedules in the Project Browser, right-click and apply the desired template to update formatting across all selected schedules in a single operation.

NEW QUESTION # 24
Refer to exhibit.
Which two actions were used to create this light fixture schedule? (Select two.)

- A. Deselected Itemize every instance.
- B. Sorted by type mark.
- C. Filtered to only show lights that have a type mark value.
- D. Sorted by instance and quantity.
- E. Added both electrical and switch system settings.

Answer: A,B

Explanation:
In the given Lighting Fixture Schedule, each row represents a lighting fixture type rather than individual instances, and the "Count" column summarizes how many fixtures of that type exist in the project. To achieve this layout in Revit, two specific actions must be performed in the Schedule Properties dialog:
Deselected "Itemize every instance."
The Revit documentation explains:
"Itemize every instance. This option displays all instances of an element in individual rows. If you clear this option, multiple instances collapse to the same row based on the sorting parameter. If you do not specify a sorting parameter, all instances collapse to one row." By deselecting this checkbox, Revit consolidates identical fixture instances of the same type into a single row - exactly as shown in the exhibit, where each "Type Mark" (A, B, C, etc.) appears once with a summarized Count.
Sorted by Type Mark.
On the same Sorting/Grouping tab, Revit allows users to organize the schedule by a specific field:
"On the Sorting/Grouping tab of the Schedule Properties dialog, you can specify sorting options for rows in a schedule... You can sort by any field in a schedule, except Count." In the example, fixtures are sorted alphabetically by their "Type Mark" (A through E). This ensures the grouped and counted results appear in order.
Other options-such as filtering by type mark or adding switch data-do not impact how instances collapse or group within the schedule.

NEW QUESTION # 25
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