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They found difficulty getting hands on Autodesk RVT_ELEC_01101 real exam questions as it is undoubtedly a tough task. Besides this, it is also hard to pass the RVT_ELEC_01101 exam on the first attempt. Nervousness and fear of exam is also daunting for applicants. The actual RVT_ELEC_01101 Questions being offered by itPass4sure will enable you to obtain the certification without any hassle.

Autodesk RVT_ELEC_01101 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 2	• 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.
Topic 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.
Topic 4	• 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 5	• 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.

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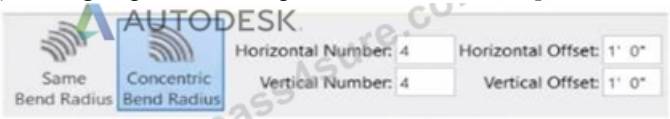
Autodesk Certified Professional in Revit for Electrical Design Sample Questions (Q15-Q20):

NEW QUESTION # 15
Refer to exhibit.
(The Image is presented in Imperial units: 1 In = 25 mm [Metric units rounded).)



What is the electrical designer trying to do as shown in the exhibit?

- A. Place Multiple Pipe
- B. Place Parallel Conduits
- C. Add Cable Tray
- D. Array Conduit

Answer: B

Explanation:
The exhibit shown in the image is taken directly from the Revit MEP Electrical Systems workspace, specifically from the Parallel Conduits command interface. This dialog box appears when the designer activates the Place Parallel Conduits tool in the Systems tab → Electrical panel → Conduit dropdown → Parallel Conduits.
In this interface, the designer can specify:
Horizontal Number / Offset - defines how many conduits will be created horizontally and their spacing.
Vertical Number / Offset - defines how many conduits will be created vertically and their spacing.
Bend Radius Options:
Same Bend Radius - all conduits use identical bend radii.
Concentric Bend Radius - conduits bend concentrically around a common center point.
According to Autodesk's Revit MEP 2011 User's Guide (Chapter 18, Electrical Systems - Conduit Layout):
"The Parallel Conduits tool allows you to create multiple conduits side-by-side at the same time.
You can specify the number of conduits horizontally and vertically, as well as the offset between them.
You can also define whether bends have the same bend radius or concentric bend radii."
- Revit MEP User's Guide, Electrical Systems, Section: Conduit Layout
This tool is used when electrical designers need to route groups of conduits that run in parallel-such as power and data conduits running between panels or equipment racks.
The Concentric Bend Radius option (as shown in the exhibit) ensures all conduit bends share a common center, which is critical for maintaining uniformity in conduit sweeps and avoiding clashes during coordination.
Therefore:
A . Add Cable Tray - incorrect; the cable tray tool is separate and does not use bend radius options.
C . Array Conduit - incorrect; arraying is a different geometric function not specific to conduit routing.
D . Place Multiple Pipe - incorrect; applies to mechanical piping systems, not electrical conduits.
The display of Concentric Bend Radius, Horizontal Number, Vertical Number, and Offset confirms that the designer is using the Parallel Conduit placement tool.
Verified Reference Extracts from Revit Electrical Design Documentation:
Autodesk Revit MEP User's Guide (2011) - Electrical Systems → Conduit Layout → "Parallel Conduits Tool" description.
Autodesk Revit MEP Training Curriculum - Electrical Module, Exercise 6.3 "Placing Parallel Conduits," which illustrates the same interface for bend radius configuration.

NEW QUESTION # 16
A project has 24 branch panel schedules that all need the same formatting changes. What should the electrical designer do?

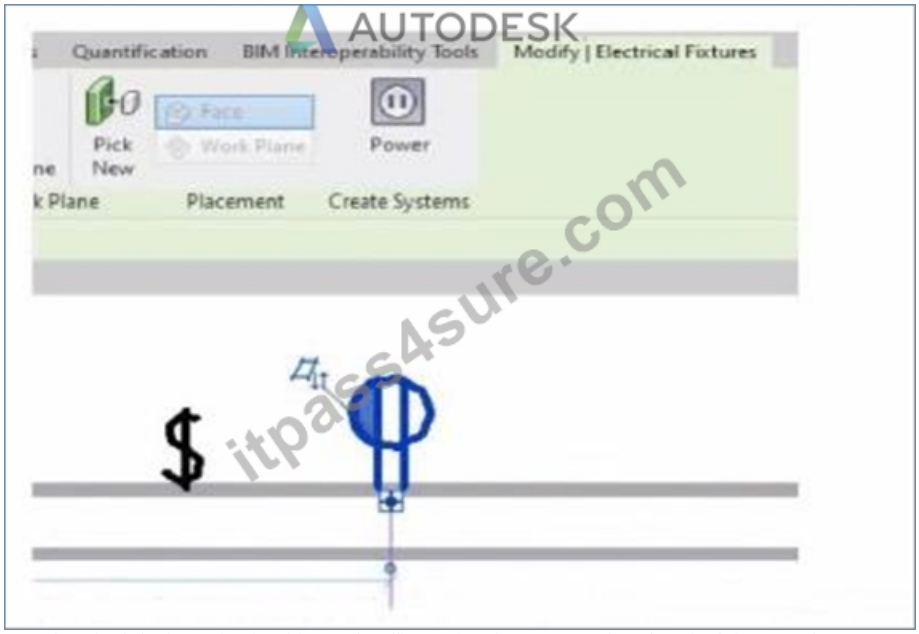
- A. Select all panel schedules in the Project Browser, right-click and choose Apply Template Properties, and select the desired template.
- B. Use the Manage Templates command to edit and apply the template changes to all panel schedules.

- 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: A

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 # 17
Refer to exhibit.



An electrical designer is circuiting a dwelling unit. The receptacle (electrical fixture) shown must be controlled by the switch (lighting device) shown to switch a plug-in lamp When the receptacle is selected, Revit does not provide an option to add the receptacle to a switch system.
What is causing this issue?

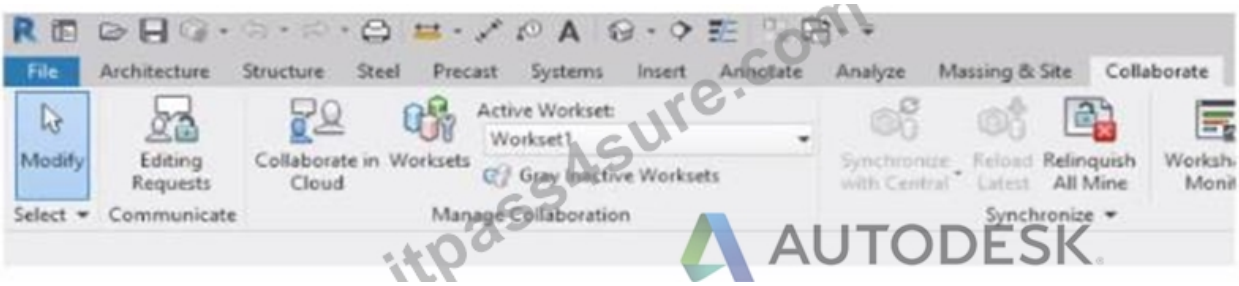
- A. The switch and the receptacle are not on the same circuit
- B. Only lighting fixtures can be added to switch systems.
- C. A switch system has not yet been created.
- D. The receptacle's "Switchable" option Is not selected within the family editor.

Answer: D

Explanation:
In Autodesk Revit Electrical Design, when an electrical designer attempts to control a receptacle (an Electrical Fixture family) with a switch (a Lighting Device family) as part of a switch system, Revit will only allow this connection if the receptacle's family has been configured as Switchable within the Family Editor.
According to the Autodesk Revit MEP User's Guide (Chapter 17 - "Electrical Systems"):
"Revit allows you to add elements such as lighting fixtures or receptacles to a switch system only if the family includes a switchable connector. The 'Switchable' parameter must be enabled in the Family Editor to allow this connection." This means that for the receptacle shown in the exhibit to appear as an available component for switching, the Electrical Connector within its family must have the Switchable property checked. This parameter is found under:
Family Editor → Select Connector → Properties Palette → Electrical - Data → Switchable.
If this option is not enabled, Revit treats the receptacle as a standard unswitched outlet and will not display it in the switch system

creation dialog. Once the option is checked, the designer can reload the family into the project and associate it with a switch system normally.
Additionally, the Smithsonian Facilities Revit Template User's Guide explains this concept as follows:
"To associate receptacles with lighting switches, ensure that the receptacle family has a switchable connector. Without this setting, the device will not appear as an assignable component to a switch system." This distinction is important in residential electrical modeling, where switched receptacles are common for plug-in lamps. Lighting circuits can include both Lighting Fixtures and Switchable Receptacles when the family configuration supports it.
Incorrect Options Explanation:
A . A switch system not being created is irrelevant - the issue occurs before system creation.
C . Being on the same circuit doesn't affect switchability; it affects electrical load connection.
D . Incorrect - Revit supports switchable receptacles if properly configured.
Therefore, the correct answer is B. The receptacle's "Switchable" option is not selected within the family editor.
References:
Autodesk Revit MEP User's Guide - Chapter 17 "Electrical Systems," pp. 417-421 Autodesk Revit Electrical Design Essentials - Section "Creating and Editing Electrical Fixtures and Switch Systems" Smithsonian Facilities Revit Template User's Guide - Section 8.4 "Switchable Receptacle Family Standards," p. 89

NEW QUESTION # 18
Refer to exhibit.



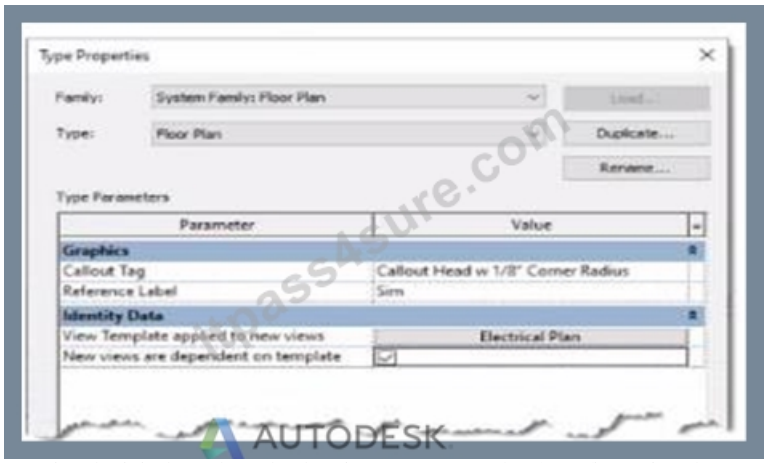
Why is Synchronize with Central disabled?
After enabling collaboration for a project, an electrical designer observes the ribbon.

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

Answer: C

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 # 19
Refer to exhibit.



An electrical designer is reviewing the Type Properties for a floor plan view. How will the view behove 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. 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.
- D. 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

Answer: D

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 # 20
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