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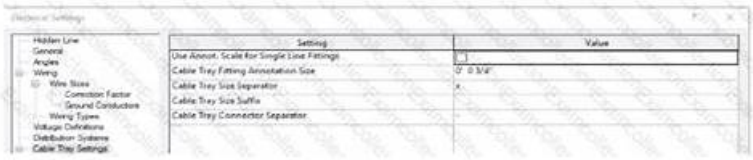

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The Autodesk RVT_ELEC_01101 mock tests are specially built for you to evaluate what you have studied. These Autodesk Certified Professional in Revit for Electrical Design (RVT_ELEC_01101) practice exams (desktop and web-based) are customizable, which means that you can change the time and questions according to your needs. Our Autodesk Certified Professional in Revit for Electrical Design (RVT_ELEC_01101) practice tests teach you time management so you can pass the Autodesk Certified Professional in Revit for Electrical Design (RVT_ELEC_01101) certification exam.

Autodesk RVT_ELEC_01101 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 2	• 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 3	• 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 4	• 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 5	• 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.

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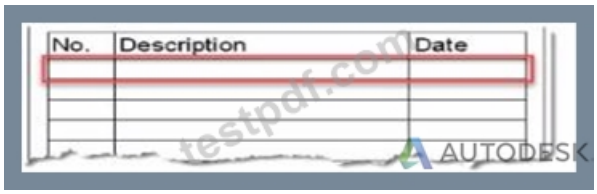
Autodesk Certified Professional in Revit for Electrical Design Sample Questions (Q42-Q47):

NEW QUESTION # 42
Refer to exhibit.

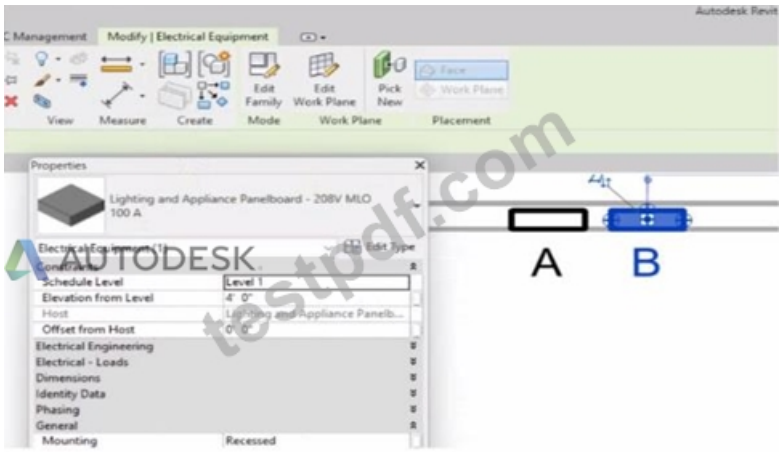


An electrical designer is issuing several sheets and wants 'Issued for Bid" to appear in the revision schedule of the title block. Drag and drop into the correct order to indicate how this can be accomplished to only the sheets that are being issued.

Answer:

Explanation:

NEW QUESTION # 43
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. Edit the Host value in the Properties palette.
- C. Edit the Mounting value in the Properties palette.
- D. Use the Edit Work Plane command
- E. Use the Move command.

Answer: A,D

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 # 44
Refer to exhibit.

An electrical designer tries to place a generic annotation family in a data device family. The designer receives the error message as shown. What should the designer do?

- A. Edit the generic annotation family and set it to Shared.
- B. Change the Detail Level to Coarse.
- C. Select the Maintain Annotation Orientation parameter checkbox
- D. Set the view to the Ref. Level.

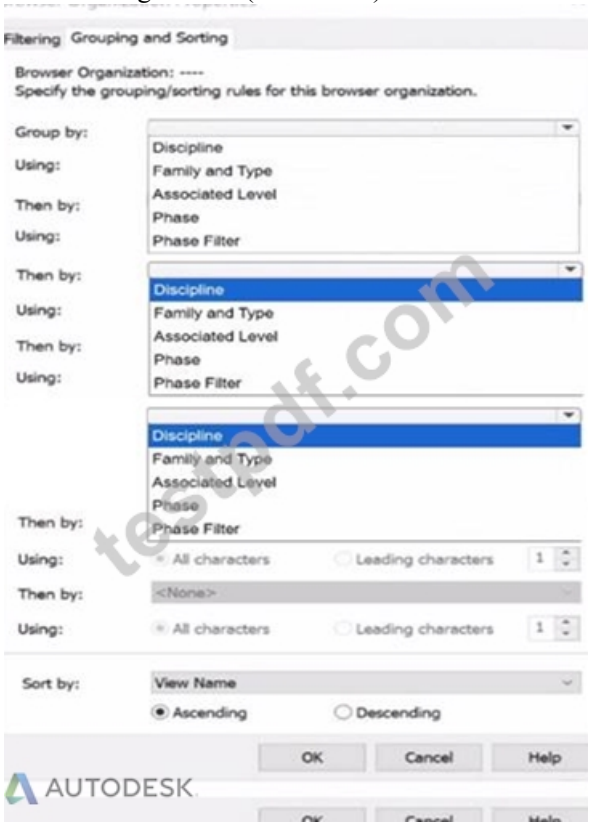
Answer: A

Explanation:
The warning message - "Can't create this kind of element in this view in the current mode" - appears when an electrical designer attempts to place a Generic Annotation family inside a model family (e.g., a data device or electrical fixture) that is not configured to host annotation elements.
According to the Revit Electrical Design documentation, Generic Annotation families are 2D annotation elements, and therefore, cannot be created or viewed in 3D model views unless configured as "Shared." The official guide clarifies:
"You can create generic annotation families and nest them inside host model families so that the annotations display in the project."

However, this only functions correctly if the annotation is enabled to act independently within the host:
"To allow a nested annotation to be visible and editable when placed in a host model family, the nested annotation must be set to Shared before loading it into the host." If the nested annotation is not set to Shared, Revit cannot create or display it in the host's model view, triggering this exact warning.
Thus, the correct workflow is:
Open the Generic Annotation family in the Family Editor.
Go to Family Category and Parameters.
Check the box "Shared" under Family Parameters.
Save and reload the family into the host electrical device family.
Other options-changing view level, detail level, or annotation orientation-do not resolve this placement restriction.

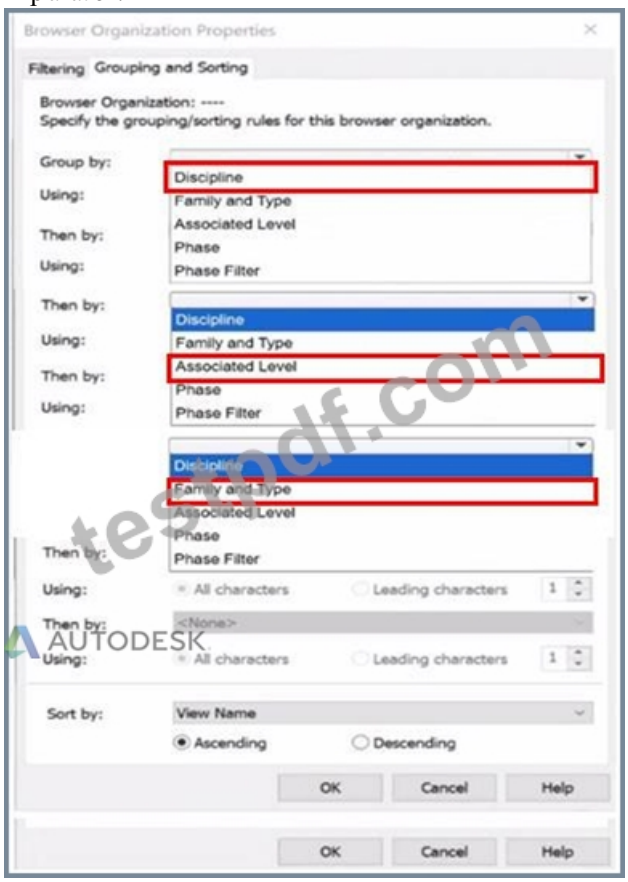
NEW QUESTION # 45
Refer to exhibit.

An electrical designer wants to organize the Protect Browser as shown in the exhibit. Select the correct options in order to achieve the desired organization. (Select three.)

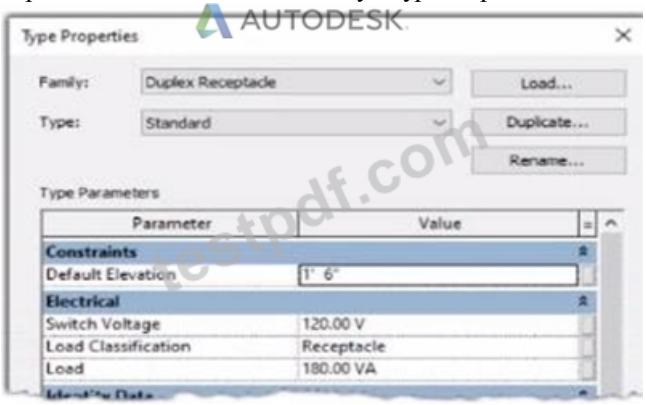


Answer:

Explanation:



NEW QUESTION # 46
Refer to exhibit.
A portion of an electrical fixture family's Type Properties is shown in the exhibit.



Because of the value of the Type Parameter Load Classification, an electrical designer expects the fixture's Load Classification to display as -Receptacle" when circuited. Instead, it displays as "Other".
What should the designer do to make the circuited fixture's Load Classification always match the family's Type Parameter?

- A. Edit the family. Change the power connector's Load Classification to "Receptacle". Reload the family into the project.
- B. Edit the family. Associate the power connector's Load Classification with the family parameter. Reload the family into the project.
- C. Edit the fixture Instance in the System Browser. In the Load Classification column, associate the fixture's Load Classification to the family parameter.
- D. Edit the family. Delete the power connector and place a new power connector. Parameter associations will be made automatically. Reload the family into the project.

Answer: B

Explanation:

In Autodesk Revit Electrical Design, each electrical family (such as a receptacle, lighting fixture, or equipment) can contain one or more connectors that define how it interacts with the electrical system. The Load Classification parameter determines how the connected load is categorized in electrical schedules and load calculations (e.g., Lighting, Power, Receptacle, Other).
When a family's Type Parameter Load Classification does not display correctly (e.g., it shows "Other" instead of "Receptacle" after being circuited), the issue lies in the power connector's internal parameter not being linked to the family-level "Load Classification" parameter. Revit uses the connector's classification to determine the load type when it is connected to a circuit - if the connector isn't associated, the classification defaults to "Other." According to the Autodesk Revit MEP User's Guide (Chapter: Electrical Systems - Creating Electrical Families), it specifies:
"To control how a component reports its connected load type, associate the power connector's Load Classification parameter with a corresponding Family Parameter. This ensures the load classification in the circuit matches the family definition, rather than defaulting to 'Other.' To correct existing families, edit the family in Family Editor, select the connector, and associate its Load Classification parameter with the family's Load Classification type parameter. Then reload the family into the project." This confirms that the correct approach is to edit the family and create or link the Load Classification parameter to the connector's Load Classification field. Merely changing the connector value (option C) won't ensure dynamic synchronization between the family type and circuit. Deleting and re-adding the connector (option B) won't automatically create that link. Option D (editing through the System Browser) modifies instance-level data, not family associations.
Hence, the correct and permanent fix is:
Open the family in the Family Editor.
Select the power connector.
In the Properties palette, click the small Associate Family Parameter button () next to Load Classification.
Link it to the family's Load Classification parameter.
Save and reload the family into the project.
References:
Autodesk Revit MEP 2011 User's Guide, Chapter 53: Creating Electrical Families, pp. 1254-1257.
Smithsonian Facilities Revit Template User's Guide (2021), Section 8.3. Electrical Design: Power Connector Parameters.
Autodesk Revit 2020 Help: "Associate a Connector Parameter with a Family Parameter."

NEW QUESTION # 47
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