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Exam Guide

Autodesk Certification Professional Revit for Mechanical Design

Congratulations on taking the next step towards earning your Autodesk Certification!

The purpose of this guide is to help prepare you for the Autodesk Certification Professional Revit for Mechanical Design exam. Please review the document carefully to better understand the requisites needed to prepare for this exam.

Please note: You will not have access to the software during the exam, as all questions are in a selected response format and are designed to be answered without the software user interface.

Candidates who successfully achieve a passing score on this certification exam demonstrate advanced knowledge and skills in Revit for mechanical design that provides the opportunity for individuals to stand out in a competitive professional environment.

Pre-requisites

The Autodesk Certification Professional Revit for Mechanical Design exam is intended for students and industry professionals who possess leading knowledge and skills in solving complex challenges in design using Revit (Mechanical). This industry validated certification created by Autodesk is intended for Revit users who have mastered relevant workflows, processes, and project objectives, in an academic program or professional architecture, MEP, or design-built engineering environment, over three years, or approximately 400 hours (minimum) to 1200 hours (recommended) of software experience.

We recommend candidates possess proficiency in the core Revit skills evaluated in this exam, outlined below, prior to taking this exam.

It's expected that all candidates can:

- Demonstrate advanced modeling skills (e.g., creating and modifying systems, analytical spaces, duct, and pipe)
- Perform basic family editing (including editing connectors, annotations, symbology, and content behavior)
- Utilize worksharing and understand worksets
- Import and link external files effectively and correctly use positioning
- Export files to different formats
- Understand the functionality of parameters and data types

- Manipulate views and their behaviors (model, drafting, filters, templates, system browser, etc.)
- Successfully edit and create project documents
- Leverage Revit data (parameters, constraints, geometry, schedules, tagging, etc.)
- Understand the basics of analytical systems
- Leverage model groups
- Understand project phasing
- Use revisions
- Run interference checks

Beta exam information

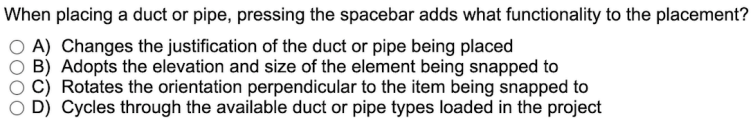
Sign up for the beta exam: *https://home.pearsonvue.com/Autodesk*

After signing-in, please select the appropriate beta exam and choose where you want to take your exam, either at a Pearson VUE testing facility or proctored online through Pearson VUE's OnVUE option, prior to scheduling.

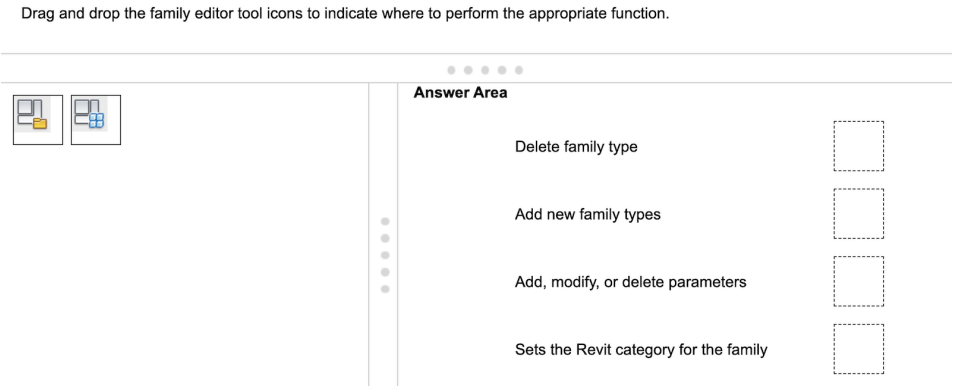
Total time required for beta exam: 180 minutes

Question types in the exam:

- **Multiple choice –** This item measures a candidate's ability regarding a specific content topic. A multiple-choice item has a stem which asks a question and multiple possible answers.



- **Drag and drop –** This item measures a candidate's object association and placement skills with a drag-and-drop question. Test takers select and reposition answer options within a list or graphics.

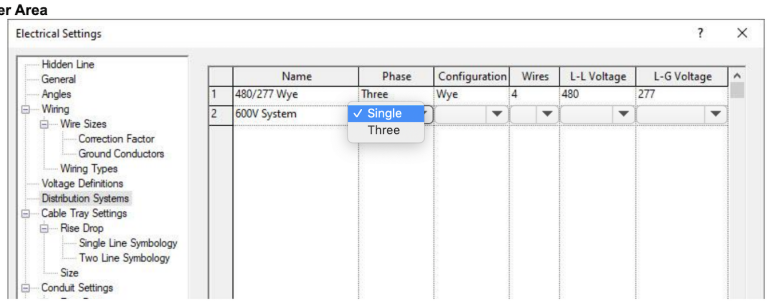


- **Active screen –** This item measures a candidate's familiarity with the software's UI by using interactive images of the software.

An engineer instructs a Revit designer to provide power to a 600V machine. The machine has two power connections: one is 600V 3Ø and one is 347V phase-to-neutral. The building's electrical system is 480V, so the engineer plans to supply the machine with a 480V Delta Primary / 600V Wye Secondary transformer.

Use the dropdown menus in the answer area to configure a distribution system to support this machine.

Answer Area



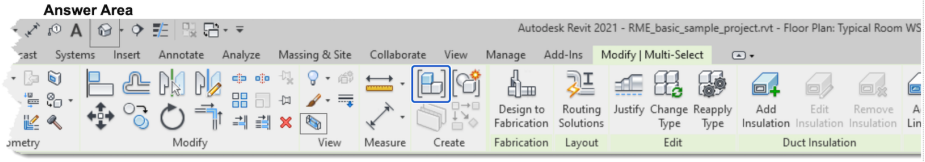
- **Hot Area –** This item measures the ability to answer a question by clicking on "hot" areas of an exhibit. Hot area items are essentially multiple-choice items with graphical answer choices.

A mechanical designer is routing ductwork through a building model. To coordinate with other disciplines, the designer wants to view an area in their default 3D view where the links are visible.

The designer has selected the components in plan view.

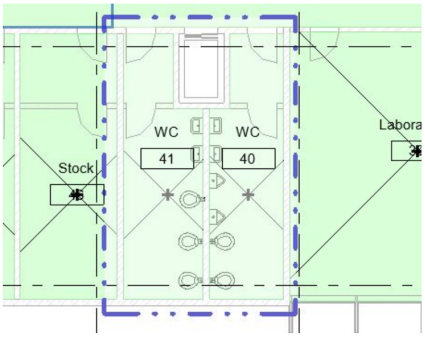
Select the tool that the designer should click on to view the selected components.

Answer Area



- **Graphic Interpretation –** This item measures a candidate's ability to read a graphic and interpret the information successfully.

Refer to the exhibit.



System Zones have been created in the model. A shape was used to define the Zone area using Sketch lines. As a result, extra spaces were selected that were not intended.

How should the System Zone be selected in order to only have the WC spaces included? (Choose two.)

☐ A) Draw a smaller shape that does not extend outside space 40 and 41.
☐ B) Draw a larger shape and use the Filter tool.
☐ C) Draw a line from inside space 40 to space 41.
☐ D) Change the line type the sketch is using to solid.
☐ E) Since there are only two spaces, they can be selected manually.