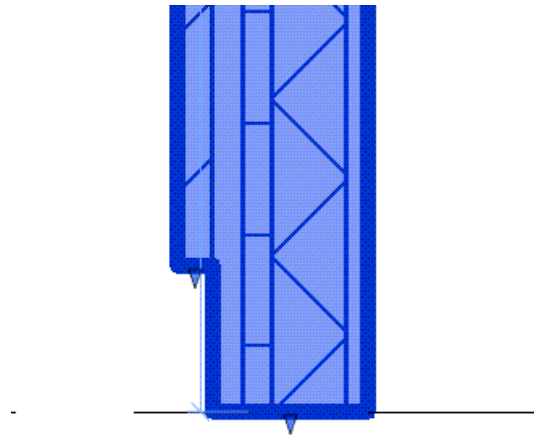


Autodesk Certified Professional in Revit for Architectural Design Practice Test Questions

#1

Refer to exhibit.



An architectural designer needs to create the condition shown in the exhibit. The bottom extension of the outer brick layer needs to be adjusted independently of the other layers in the wall. How can this be accomplished?

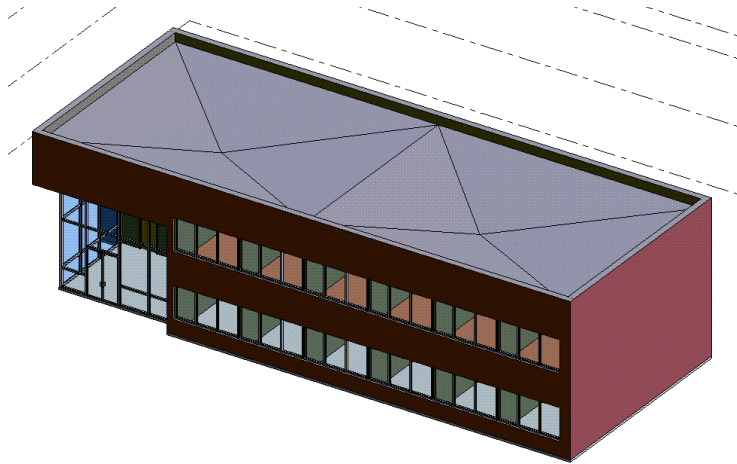
- () On the Modify tab, activate the Split Element tool, and split the wall at the brick layer.
- () Edit the wall profile and adjust the sketch lines to account for the proper brick offset.
- () Add a void extrusion to the wall and then use the Cut Geometry tool.
- (x) In the Edit Assembly dialog, use the Modify tool and unlock the brick layer.

[remedial] How should the wall structure be modified to allow individual layers to be modified?

This question aligns with exam objective 1.1.a Create and edit wall types. Concepts are covered in Create and edit wall types. [remedial]

#2

Refer to exhibit.



An architectural designer needs to create the sloped roof shown in the exhibit. Which tool should be used to slope the roof?

- ☐ Variable Thickness
- ☐ Defines Slope
- ☐ Slope Arrow
- ☒ Shape Editing

[remedial] Which tool allows the addition and modification of roof points?

This question aligns with exam objective 1.1.c Create and edit floor and ceiling types. Concepts are covered in Create roofs, floors, and ceiling types. [remedial]

#3

An architectural designer needs to create an opening in a sloped roof. The opening needs to be perpendicular to the outer surface of the roof. Which opening tool should be used?

- ☐ Wall Opening
- ☐ Vertical Opening
- ☐ Shaft Opening
- ☒ Opening by Face

[remedial] Which option creates opening edges perpendicular to the element?

This question aligns with 1.1.f Create openings in building elements. Concepts are covered in Create openings in building elements. [remedial]

#4

An architectural designer needs to create a new brick material based on an existing brick material. The same material assets need to be used. Which process should be used?

- ☐ Select Open Existing Library and then select the existing brick material.
- ☐ Select Create New Material and then add the assets from the existing brick material.
- ☐ Right-click the material and select Duplicate Material and Assets.
- ☒ Right-click the material and select Duplicate Using Shared Assets.

[remedial] How can a designer share assets between two or more materials?

This question aligns with exam objective 1.2.a Create a custom material. Concepts are covered in Create materials and material libraries. [remedial]

#5

An architectural designer is working on a door family. The material for each geometric form needs to be controlled in the project. How can this be accomplished?

- ☐ Create a family parameter that has Material in the name and associate the family to it.
- ☐ Associate each form's Visible parameter to a family parameter that is a Material type of parameter.
- ☐ Create a family parameter that is a Material type of parameter and associate the family to it.

☒ Associate each form's Material parameter to a family parameter that is a Material type of parameter.

[remedial] Which parameter allows the material of each form to be controlled in the project?

This question aligns with exam objective 1.2.b Apply materials in a family (system or loadable family). Concepts are covered in Apply materials. [remedial]

#6

An architectural designer is working with a brick on metal stud wall. The designer wants to create a small rectangular portion on the outside of the wall that has a wood finish. How can this be accomplished?

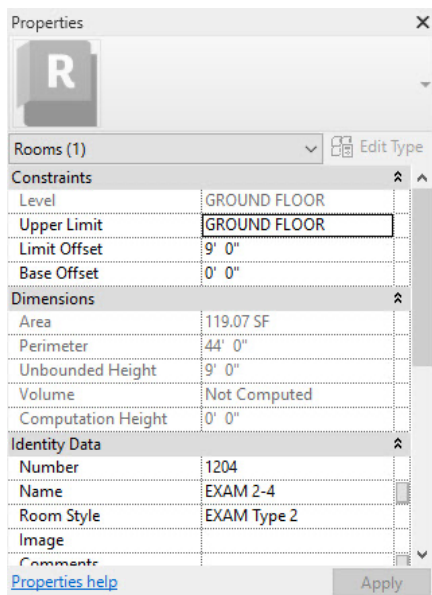
- ☐ Open the Material Browser, select the wood material, and then click Paint on Face.
- ☐ Activate Opening by Face, sketch the rectangular region, and then apply the wood material to the opening.
- ☐ Create a new basic wall type and then automatically embed it into the wall to create the rectangular region.
- ☒ Use the Split Face tool to create a separate region and then use the Paint tool to paint the wood material.

[remedial] Which tool can the designer use to separate the face of an elements and assign a different material to each?

This question aligns with exam objective 1.2.c Apply various materials using the Split Face and Paint tools. Concepts are covered in in Paint materials. [remedial]

#7

Refer to exhibit.



An architectural designer is reviewing the instance properties of a room and notices that the Volume is set to Not Computed. How can this parameter be calculated?

- ☐ Change the Computation Height to SECOND FLOOR.
- ☐ Change the Room Area Computation to At Wall Finish.
- ☐ Change the Upper Limit to SECOND FLOOR.
- ☒ Change the Volume Computations to Areas and Volumes.

[remedial] What setting enables volume computations?

This question aligns with exam objective 1.3.a Configure area and volume computations. Concepts are covered in Configure rooms. [remedial]

#8

An architectural designer has a linked architectural model and wants to place rooms inside of the link. Revit does not recognize any of the elements as room bounding though. What should be done?

- ☐ Open the link and change the Room Area Computation setting to at wall finish.
- ☐ Use the Room Separator tool with the Pick Lines option to place room separation lines.
- ☐ Enable Room Bounding in the Properties palette for each wall in the link.
- ☒ Select the linked architectural model, click Edit Type, and enable Room Bounding.

[remedial] How do you make elements in a linked file room bounding?

This question aligns with exam objective 1.3.c Create and assign room bounding elements. Concepts are covered in found in Configure rooms. [remedial]

#9

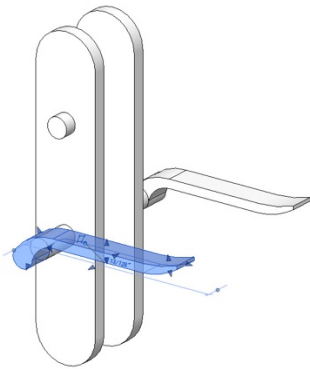
An architectural designer wants the room Perimeter to be calculated at 3'-0" above the GROUND FLOOR level. How can this be accomplished?

- ☐ Set the Computation Height to 3'-0" for the Volume Computations.
 - ☐ Set the Computation Height to 3'-0" for the Room Area Computation.
 - ☐ Set the Computation Height to 3'-0" for the room.
 - ☒ Set the Computation Height to 3'-0" for the GROUND FLOOR level.
- [remedial] Where can a designer set the computation height of a room?

This question aligns with exam objective 1.3.b Modify room parameters. Concepts are covered in Configure rooms. [remedial]

#10

Refer to exhibit.



An architectural designer needs to create the highlighted geometry. Which tool should be used to create the form?

- ☐ Swept Blend
- ☐ Revolve
- ☐ Blend
- ☒ Extrusion

[remedial] Which tool allows a 2D profile to be stretched perpendicular to the plane it was drawn on?

This question aligns with exam objective 1.4.g Create 3D solid and void geometry. Concepts are covered in Create families. [remedial]

#11

Refer to exhibit. (rvt_arch_cp_pretest_M1_14_ConfigureFamily-2.jpg)

Family Types

Type name: 36" x 84"

Search parameters

Parameter	Value	Formula	Lock
Construction			
Materials and Finishes			
Dimensions			
Number of hinges (default)	4	=Height / 2'	☒
Thickness	0' 2"	=	☒
Height	7' 0"	=	☒
Trim Projection Ext	0' 1"	=	☒
Trim Projection Int	0' 1"	=	☒
Trim Width	0' 3"	=	☒
Width	3' 0"	=	☒
Rough Width		=	☒
Rough Height		=	☒
Analytical Properties			
IFC Parameters			
Identity Data			

Manage Lookup Tables

OK Cancel Apply

Which type of parameter is the Number of hinges? (Choose two.)

☒ Instance

☐ Type

☒ Integer

☐ Length

☐ Yes/No

[remedial] What does the word default mean next to a parameter? What is the difference between Integer, Length, and Yes/No?

This question aligns with exam objective 1.4.f Apply simple mathematical formulas to parameters. Concepts are covered in Configure family geometry. [remedial]

#12

Refer to exhibits.

Exhibit A

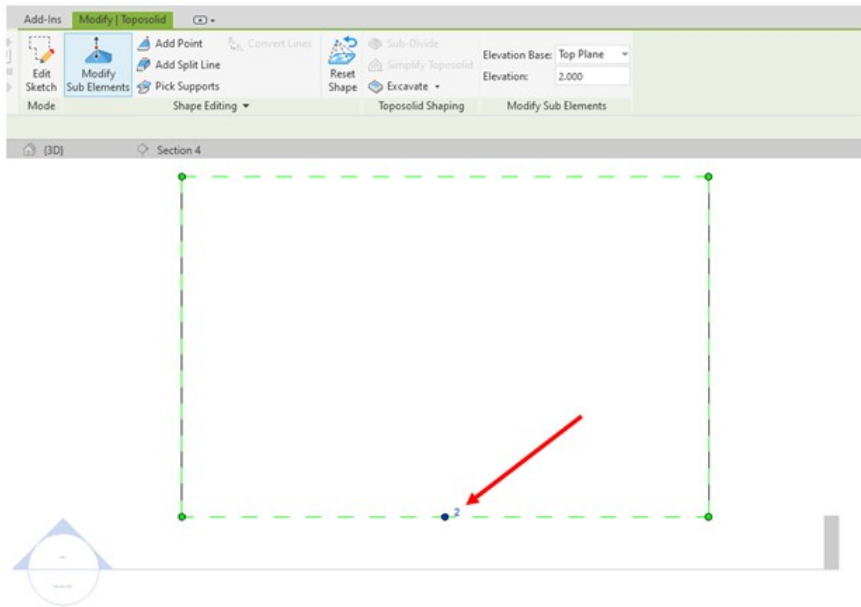
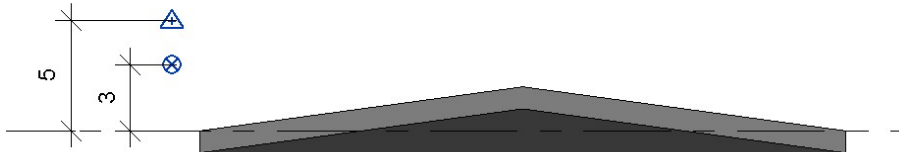


Exhibit B



An architectural designer created a topography with a thickness of 1 ft (0.30 mm). A point was placed as shown in Exhibit A. The terrain is shown in a section view in Exhibit B.

What is the elevation difference between the added point and the survey point?

- ☐ 1
- ☐ 2
- ☒ 3
- ☐ 5

[remedial] Is the placed point on the top or the bottom of the created toposolid? How would the point's elevation base affect its elevation from the survey point?

This question aligns with exam objective 1.5.b Assign point elevations. Concepts are discussed in Create topography. [remedial]

#13

An architectural designer has created a model group and wants to place additional instances of the group. Which two of the following methods can be used? (Select two.)

- ☐ Activate the Place a Component tool.
- ☐ Enter into Edit Group mode and copy the group.
- ☐ Open the group in the Family Editor and change the number.
- ☒ Activate the Place Model Group tool.
- ☒ Use the Copy tool to copy the original group.

[remedial] What actions would allow a designer to place additional instances of a model group without modifying its structure or entering an editing mode?

This question aligns with exam objective 1.6.c Demonstrate an understanding of relationships between objects in a group and objects not in a group. Concepts are covered in Create model groups. [remedial]

#14

An architectural designer wants to control the view properties of several views using a view template. After assigning the view template to all the views, the View Scale can still be adjusted in the View Control Bar for each view. Why is this happening?

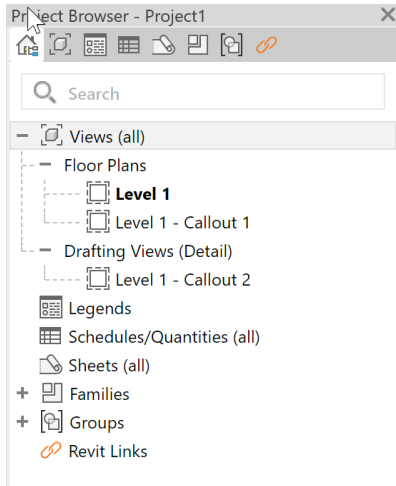
- ☐ The View Scale has been associated to a shared parameter.
- ☐ A plan region is being used to control the View Scale.
- ☐ Override is selected for the View Scale in the Visibility/Graphic Overrides dialog.
- ☒ Include is not selected for the View Scale parameter in the view template.

[remedial] What could prevent a view template from fully controlling certain properties, such as the View Scale, across all assigned views?

This question aligns with exam objective 2.1.a Create and use view templates and recognize the relationship between view types and view templates. Concepts are covered in Create and use view templates. [remedial]

#15

Refer to exhibit.



Both Callout 1 and Callout 2 were drawn on Level 1. Why does Callout 2 appear under Drafting Views?

- ☒ (x) Reference Other View was selected when creating Callout 2.
- ☐ () The type of Callout 2 was changed from the type selector.
- ☐ () The view template of Callout 2 was changed from the properties palette.
- ☐ () Callout 2 has not been placed on a sheet yet.

[remedial] How can a callout reference another view?

This question aligns with exam objective 2.1.f Create view types. Concepts are covered in Create view types. [remedial]

#16

An architectural designer wants the walls in a view to be color coded based on the Function parameter. Which tool should be used to accomplish this?

- ☐ () Color Fill Legend
- ☐ () Visibility/Graphics Overrides
- ☐ () Object Styles
- ☒ (x) View Filters

[remedial] Which tool should a designer use to apply color coding to elements in a view based on a specific parameter, such as Function?

This question aligns with exam objective 2.1.b Create and apply filters. Concepts are covered in Create and apply filters. [remedial]

#17

Where is the leader arrowhead controlled for a text note?

- ☐ () Additional Settings dialog
- ☐ () Text Instance Properties
- ☐ () Arrowhead Type Properties
- ☒ (x) Text Type Properties

[remedial] Where can a designer control the settings for a text note such as the leader arrowhead?

This question aligns with exam objective 2.2.a Create text style and leaders. Concepts are covered in Configure and manage annotative elements. [remedial]

#18

What must be added to a dimension type for the dimension to show both imperial and metric units?

- ☐ Equality Formula
- ☐ Text Note
- ☐ Units Format
- ☒ Alternate Units

[remedial] What must a designer add to a dimension type to display both imperial and metric units?

This question aligns with exam objective 2.2.c Create dimension styles. Concepts are covered in Configure and manage annotative elements. [remedial]

#19

What category should a family be in order to be placed using the Symbol tool?

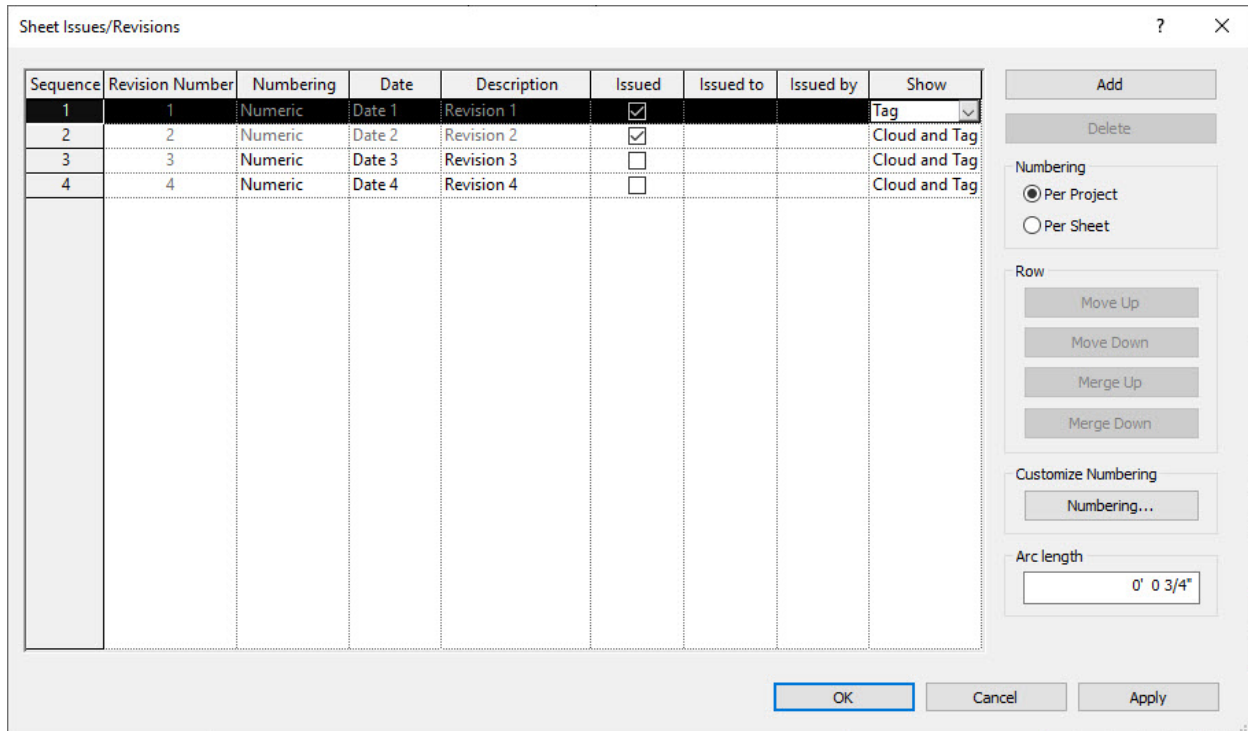
- ☐ Annotations
- ☐ Text Note
- ☐ Generic Model
- ☒ Generic Annotations

[remedial] What category of families can the designer place using the Symbol tool?

This question aligns exam objective 2.2.d Create generic annotation families. Concepts are covered Configure and manage annotative elements. [remedial]

#20

Refer to exhibit.



Sequence	Revision Number	Numbering	Date	Description	Issued	Issued to	Issued by	Show
1	1	Numeric	Date 1	Revision 1	☒			Tag
2	2	Numeric	Date 2	Revision 2	☒			Cloud and Tag
3	3	Numeric	Date 3	Revision 3	☐			Cloud and Tag
4	4	Numeric	Date 4	Revision 4	☐			Cloud and Tag

An architectural designer is creating a revision cloud. The designer is trying to assign the cloud to Sequence 1: Revision 1 but is unable to. Why is this happening?

- () The Show option is set to Tag.
- () The Numbering sequence is Numeric.
- () The Numbering option is set to Per Project.
- (x) The Issued option is selected for the revision.

[remedial] What setting prevents a designer from assigning a revision cloud to a revision sequence?

This question aligns with exam objective 2.3.b Issue a revision. Concepts are covered in Use document revisions. [remedial]

#21

What are the two View options when placing a legend component? (Select two.)

- () Elevation
- () Callout
- () 3D
- (x) Floor Plan
- (x) Section

[remedial] What are the two view types a designer can choose when placing a legend component?

This question aligns with exam objective 2.4.a Add legend components. Concepts are covered in Create and manage legends. [remedial]

#22

An architectural designer creates a new model fill pattern. The designer wants to use it in the project. What needs to be created for the fill pattern to be used?

- ☐ Generic Annotation Type
- ☐ Symbol Type
- ☐ Hatch Pattern Type
- ☒ Filled Region Type

[remedial] What allows a model fill pattern to be used in the project?

This question aligns with 2.5.b Create and edit filled and masking regions. Concepts are covered in Create and control detail/drafting views. [remedial]

#23

An architectural designer has created a model group that includes an office furniture layout. Several instances of the model group have been placed. The designer tags the furniture in one model group and wants to use the same tag layout for the other model groups. How can this be accomplished?

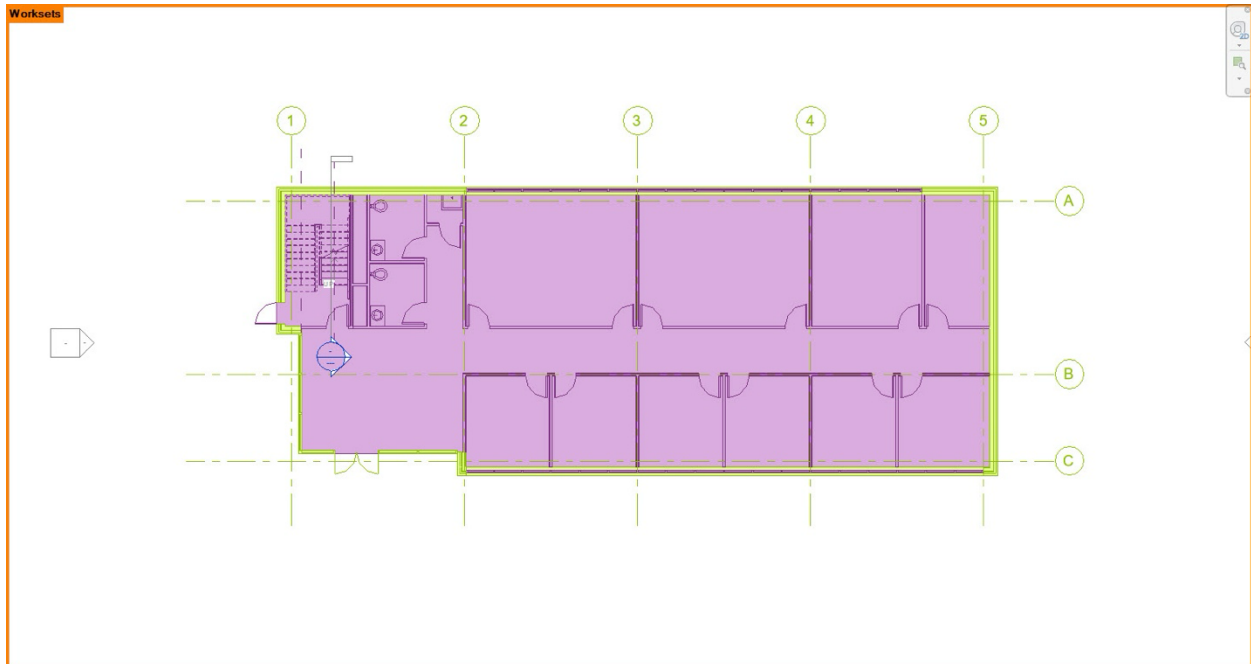
- ☐ Add the tags to a generic annotation family and use it to tag the groups.
- ☐ Use the Tag All Not Tagged tool and select the Furniture Tags category.
- ☐ Place the tags in a model group and then copy it to the same locations as the other groups.
- ☒ Create an Attached Detail Group and attach it to the other model groups.

[remedial] How can a designer apply the same tag layout from one model group to other model groups?

This question aligns with exam objective 2.7.c Attach detail groups to model groups. Concepts are covered in Create detail groups. [remedial]

#24

Refer to exhibit.



Based on the drawing area, what view state is currently active?

- ☐ Reveal Hidden Elements
- ☐ Gray Inactive Worksets
- ☐ Temporary Hide/Isolate
- ☒ Worksharing Display Mode

[remedial] Based on the drawing area, which view state is active when the designer is working with worksets in the project?

This question aligns with exam objective 3.1b Modify worksharing display settings (visibility and display mode). Concepts are covered in Configure worksets and worksharing.
[remedial]

#25

Refer to exhibit.

Worksets
×

Active workset:
Workset1 ▼ ☐ Gray Inactive Workset Graphics

Name	Editable	Owner	Borrowers	Opened	Visible in all views
Shared Levels and Grids	Yes	XDZRE		Yes	☒
Workset1	Yes	XDZRE		No	☐

New
Delete
Rename

Open
Close
Editable
Non Editable

Show:
☒ User-Created ☐ Project Standards
☐ Families ☐ Views

OK Cancel Help

After enabling worksharing in the model, an architectural designer is presented with the two worksets shown in the exhibit.

What should the designer do first to make Workset1 Non Editable?

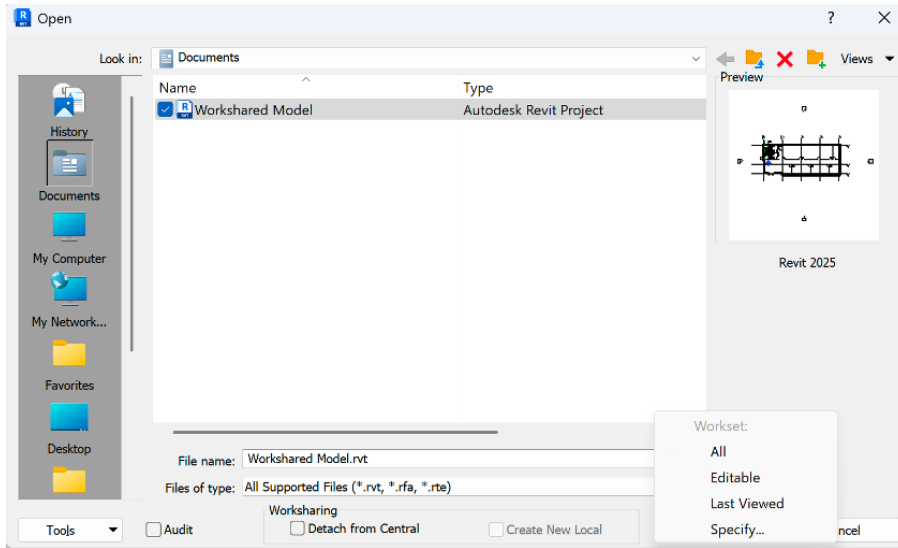
- () Select Visible in all views next to Workset1.
- () Change the Opened parameter of Workset1 to Yes.
- (x) Synchronize the model with central.
- () Select the Gray Inactive Workset Graphics checkbox.

[remedial] What should the designer do to allow collaborators to see the changes made to the model?

This question aligns with exam objective 3.1.a Activate worksharing. Concepts are covered in Configure worksets and worksharing. [remedial]

#26

Refer to exhibit.



An architectural designer is working on a workshared model. Which setting allows the designer to open worksets according to their state from a previous Revit session every time they open the model?

- ☐ All
- ☐ Editable
- ☒ Last Viewed
- ☐ Specify

[remedial] Which setting allows an architectural designer to continue working with worksets in the same state as when they last closed the model?

This question aligns with exam objective 3.1.a Activate worksharing. Concepts are covered in Configure worksets and initiate worksharing. [remedial]

#27

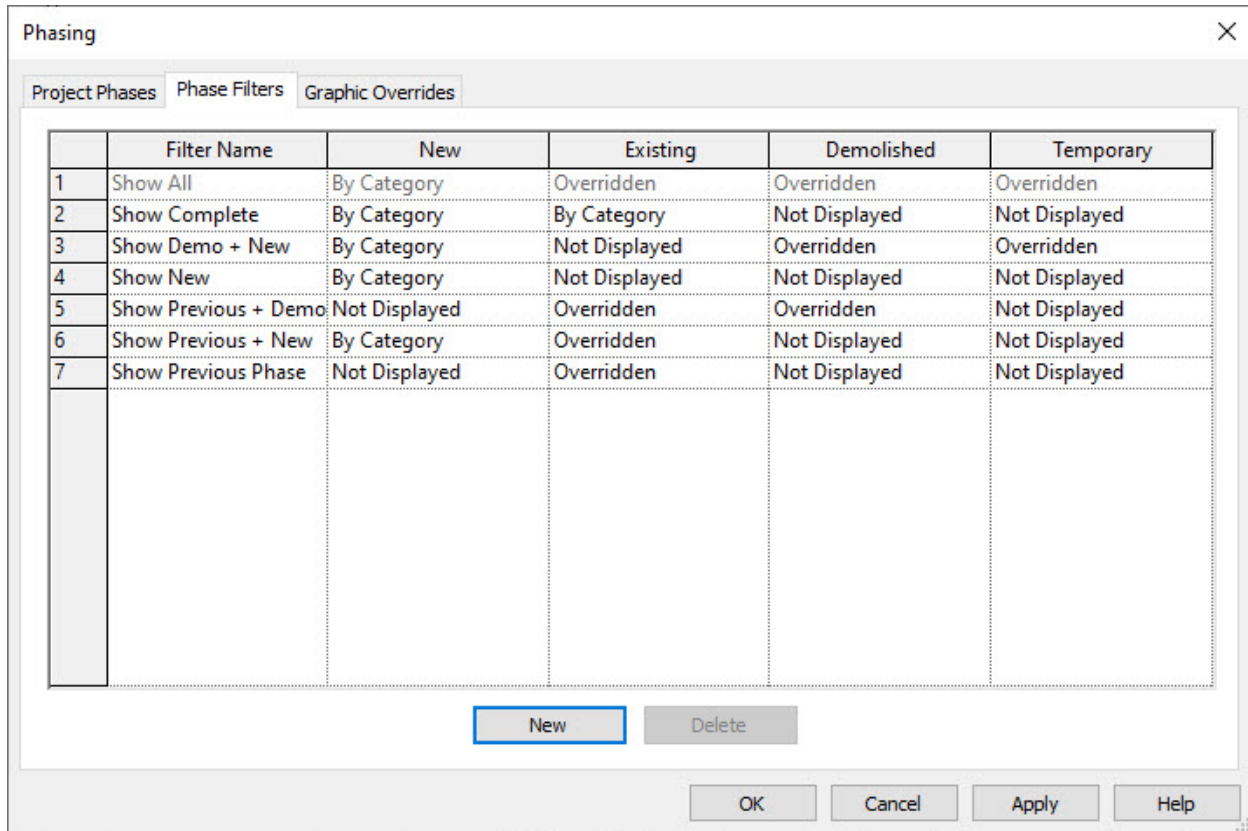
An architectural designer needs to remove several families from a project that are no longer needed to help reduce the file size. Which tool should be used?

- ☐ Delete
- ☐ Compact Central Model
- ☐ Audit
- ☒ Purge Unused

[remedial] Which tool should a designer use to remove unused families from a project?

This question aligns with exam objective 3.3.b Execute a selective purge. Concepts are covered in Perform basic model maintenance. [remedial]

Refer to exhibit.



	Filter Name	New	Existing	Demolished	Temporary
1	Show All	By Category	Overridden	Overridden	Overridden
2	Show Complete	By Category	By Category	Not Displayed	Not Displayed
3	Show Demo + New	By Category	Not Displayed	Overridden	Overridden
4	Show New	By Category	Not Displayed	Not Displayed	Not Displayed
5	Show Previous + Demo	Not Displayed	Overridden	Overridden	Not Displayed
6	Show Previous + New	By Category	Overridden	Not Displayed	Not Displayed
7	Show Previous Phase	Not Displayed	Overridden	Not Displayed	Not Displayed

The Phase of a view is set to New Construction and the Phase Filter is set to Show Complete. What will control the graphic display of Existing elements?

- ☐ Existing elements will not be visible in the view.
- ☐ Object Styles for the New Construction phase.
- ☐ The Existing settings on the Graphic Overrides tab.
- ☒ The settings for the elements' categories in the Visibility/Graphic Overrides dialog.

[remedial] Based on the phase filters visibility settings in the exhibit, what controls the visibility of existing elements in the view?

This question aligns with exam objective 3.4.b Manage project phase settings. Concepts are covered in Manage and configure phasing. [remedial]

#28

An architectural designer is working on a project with design options. The designer needs to edit multiple walls but is not sure which design option the walls belong to. Which tool can be used?

- ☐ Modify
- ☐ Make Primary
- ☐ Add to Set
- ☒ Pick to Edit

[remedial] Which tool allows the designer to edit the elements in a design option?

This question aligns with exam objective 3.5.c Assign elements to a design option and move elements from one design option to another. Concepts are covered in Create and manage design options. [remedial]

#29

An architectural designer is working on a project with design options. The designer has determined that the second design option in the set is the one that will be used for the design moving forward. What should be done with the design option?

- ☐ Use the Purge Unused tool to purge the other design options from the model.
 - ☐ In the Design Options dialog, select the second design option and click Edit Selected.
 - ☐ Open the Visibility/Graphic Overrides dialog and set the second design option for the option set.
 - ☒ Make the second design option the primary design option and then accept the primary.
- [remedial] Which workflow allows a designer to keep only the main design option and delete all others?

This question aligns with exam objective 3.5.a Create design options and a design option set. Concepts are covered in Create and manage design options. [remedial]

#30

An architectural designer has an MEP model where air terminals are placed. The designer wants to use the air terminal locations to place generic air terminals in the architectural model. What should the designer do?

- ☐ Batch copy using Copy/Monitor and then change all the air terminal types.
 - ☐ Place air terminals individually and then use Monitor to track the locations.
 - ☐ Copy the MEP air terminals to the clipboard and paste in the architectural model.
 - ☒ Use Copy/Monitor and specify type mapping for the air terminals.
- [remedial] Which settings allow the designer to control the type of copied elements between links?

This question aligns with exam objective 3.6.c Modify copy options. Concepts are covered in Use the Copy/Monitor process and features. [remedial]

#31

Where is the save location of workshared local copies controlled?

- ☐ Synchronize with Central dialog
- ☐ Worksets dialog
- ☐ Options dialog > User Interface
- ☒ Options dialog > File Locations

[remedial] Where can a designer set the location of user files and specify which project templates appear when starting a new project?

This question aligns with exam objective 4.1.b Set file locations. Concepts are covered in Configure custom user interface settings. [remedial]

#32

Which view property can be switched between True North and Project North?

- ☐ Shared Coordinates
- ☐ Shared Site
- ☐ Project Location
- ☒ Orientation

[remedial] When adjusting the instance properties of a view, which property can be toggled between True North and Project North?

This question aligns with exam objective 4.2.e Configure Project North and True North orientations. Concepts are covered in Configure project settings and location. [remedial]

#33

An architectural designer is creating a browser organization scheme. The available options to group by do not work for what the designer wants to do. What should be done to further customize the browser organization?

- ☐ In the Global Parameters dialog, create a new parameter for Browser Organization.
- ☐ Open the Project Information dialog and create a new shared parameter for Browser Organization.
- ☐ Add a new sort by parameter in the User Interface options in the Options dialog.
- ☒ Create a project parameter and assign it to the Views category.

[remedial] How can a designer create a new parameter for views and use it to sort the project browser?

This question aligns with exam objective 4.3.a Create and edit browser organization schemes. Concepts are covered in Use and manage the project browser. [remedial]

#34

In which dialog is the Layer naming convention for exported CAD files controlled?

- ☐ Export Setup
- ☐ Visibility/Graphic Overrides
- ☐ Object Styles
- ☒ Modify DWG/DXF Export Setup

[remedial] Before exporting a model to DWG or DXF, how can a designer modify export settings to meet their needs?

This question aligns with exam objective 4.4.a Configure print sets. Concepts are covered in Configure print and export settings. [remedial]

#35

Refer to exhibit.

<WINDOW SCHEDULE>					
A	B	C	D	E	F
Level	Mark	Type	Width	Height	Window Area
Lower Level	124	60" x 48"	5' - 0"	4' - 0"	20 SF
GROUND FLOOR	87	36" x 48"	3' - 0"	4' - 0"	12 SF
GROUND FLOOR	88	36" x 48"	3' - 0"	4' - 0"	12 SF
GROUND FLOOR	114	48" W x 48" H	4' - 0"	4' - 0"	16 SF
GROUND FLOOR	115	48" W x 48" H	4' - 0"	4' - 0"	16 SF
GROUND FLOOR	116	48" W x 48" H	4' - 0"	4' - 0"	16 SF
GROUND FLOOR	117	48" W x 48" H	4' - 0"	4' - 0"	16 SF
GROUND FLOOR	120	48" W x 48" H	4' - 0"	4' - 0"	16 SF
GROUND FLOOR	123	48" W x 48" H	4' - 0"	4' - 0"	16 SF

An architectural designer is working on a window schedule. The Window Area is shown in the schedule, but the designer cannot find that parameter in the instance or type properties for the windows. How is this parameter created?

- ☐ Scheduling a global parameter with a formula.
- ☐ Creating a formula for a family parameter.
- ☐ Using the Combine Parameters tool.
- ☒ Adding a calculated parameter.

[remedial] How did the design add the window area parameter to multiply the window width by its height?

This question aligns with exam objective 5.1.a Schedule elements from linked models, phases, and design options. Concepts are covered in Create and manage advanced schedules. [remedial]

#36

An architectural designer is creating a wall type schedule. When the designer creates a schedule for the Walls category, every wall in the project shows. What should be done so that just the wall types show?

- ☐ Set the Type field to a Hidden field and group by Type.
- ☐ Add the Type field and group by the Type.
- ☐ Filter the schedule by wall Type and deselect Grand totals.
- ☒ Sort the schedule by wall Type and deselect Itemize every instance.

[remedial] What should a designer edit in the sorting and grouping settings of a wall schedule to display only wall types instead of every individual wall in the project

This question aligns with exam objective 5.1.a Schedule elements from linked models, phases, and design options. Concepts are covered in Create and manage advanced schedules. [remedial]

#37

An architectural designer is working on a room schedule. The designer needs to quickly specify all the finish parameters. What should be used to automate the process?

- ☐ Calculated Parameter

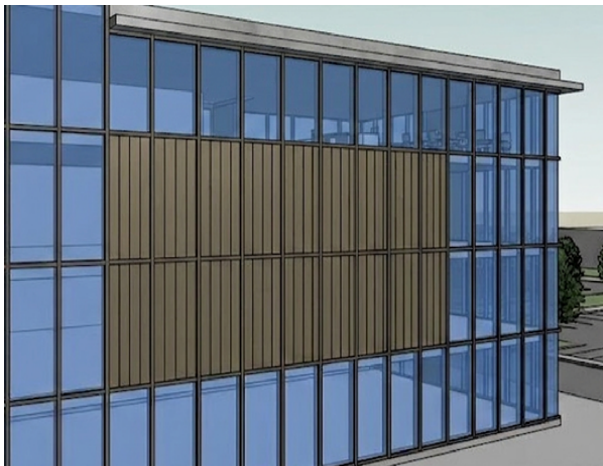
- () Legend
- () Note Block
- (x) Key Schedule

[remedial] What tool should a designer use to quickly specify and automate finish parameters in a room schedule?

This question aligns with exam objective 5.1.e Create and use a key schedule. Concepts are covered in Create and use a key schedule. [remedial]

#38

Refer to exhibit.



An architectural designer is working on a conceptual facade study consisting of a curtain wall with repeating panels of glazing. The design team decides to revise part of it to incorporate several panels of metal finish, while maintaining the same grid spacing and mullion layout.

How should the architectural designer proceed to achieve this?

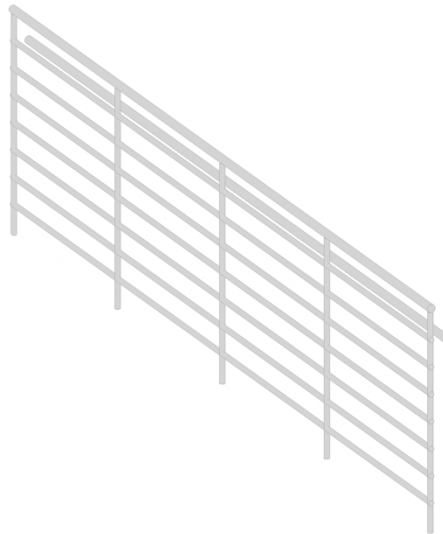
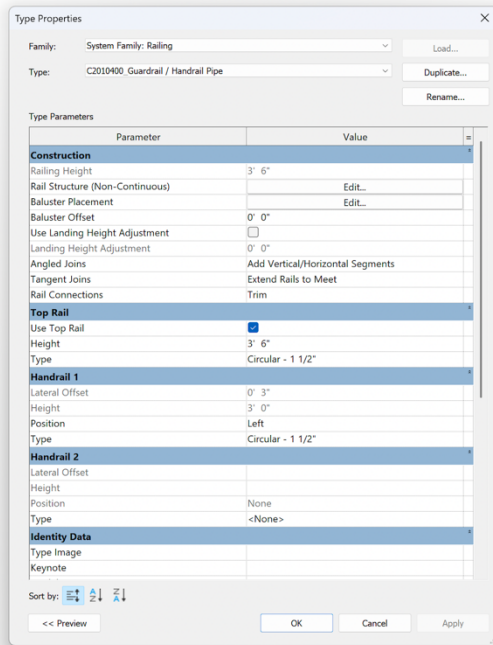
- () Switch the curtain wall type with a regular wall type that has a metal finish on the exterior side, then select surrounding mullions to delete them.
- () Draw a new curtain wall in the areas where the metal panels will go, then edit extents of the glazing one to make space for the metal one.
- (x) Tab-select the individual curtain wall panels to be changed and then assign the new metal finish curtain panel type to them.
- () Edit the curtain wall system via Type Properties to modify and then assign the new metal material for its curtain panels.

[remedial] How should the wall panels be selected to modify their properties?

This question aligns with exam objective 1.1.b Create and modify curtain walls. Concepts are covered in Create and modify curtain walls. [remedial]

#39

Refer to exhibit.



The exhibit shows a railing with its type properties.

How many rails are added in the Rail Structure property?

- () Five
- () Six
- (x) Seven
- () Eight

[remedial] What are the different railing types you can modify on a railing?

This question aligns with exam objective 1.1.e Configure railings. Concepts are covered in Configure railings. [remedial]

#40

An architectural designer is trying to place columns, but they are not able to select the At Grids function. What should they do?

- ☒ (x) Use the Structural Column function
- ☐ () Use the Column: Architectural function
- ☐ () Select Height when placing columns
- ☐ () Select Depth when placing columns

[remedial] What is the difference between an architectural and a structural column?

This question aligns with exam objective 1.1.g Create and modify columns. Concepts are covered in Create and modify columns. [remedial]

#41

An architectural designer is working on a main model with several models linked into it. Each discipline needs a parameter named Company assigned in the Sheet Index. The Sheet Index lives in the main model.

How should they approach this workflow so that the Sheet Index shows the populated Company field for each discipline model?

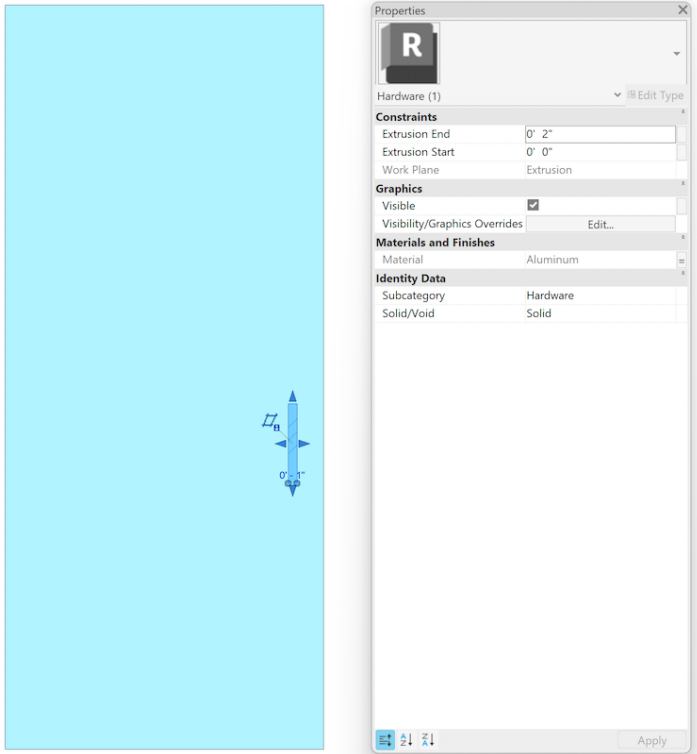
- ☐ () Create a Project Parameter for the Company parameter in each model and ensure naming is consistent.
- ☐ () Transfer project standards from the main model into each project model to ensure consistency.
- ☒ (x) Use a Shared Parameters file across all models to create a shared parameter for the Company parameter.
- ☐ () Use a Global Parameter setting to assign the Company names for each sheet.

[remedial] What type of parameters can be used across multiple projects?

This question aligns with exam objective 1.4.c Create parameters and assign to elements. Concepts are covered in Apply materials. [remedial]

#42

Refer to exhibit.



An architectural designer is editing a glass door family and wants the door handle to appear only in 3D views.

Which property in the properties palette should be edited?

(x) Visibility/Graphics Overrides

() Material

() Subcategory

() Solid/Void

[remedial] How can the visibility of a family geometry be controlled?

This question aligns with exam objective 1.4.e Control family visibility/graphics overrides.

Concepts are covered in Configure family geometry. [remedial]

#43

Refer to exhibit.

Family Types

Type name: Door Passage Single Vision Lite

Search parameters

Parameter	Value	Formula	Lock
Construction			
Materials and Finishes			
Dimensions			
Width	36"	=	☐
Height	80"	=	☒
Rough Width (default)	40"	=Width + 4"	☐
Rough Height (default)	84"	=Height + MFOpeningHeight	☒
Thickness	1 3/4"	=	☐
Masonry Frame Depth	5 3/4"	=	☐
Strike Height	40"	=	☐
Analytical Properties			
IFC Parameters			
Other			
MFOpeningWidth (default)	4"	=if(Masonry Frame, 4", 2 1/2")	☒
MFOpeningHeight (default)	4"	=if(Masonry Frame, 4", 1 1/4")	☒
Inset Calculate (default)	4"	=if(Masonry Frame, Masonry Inset + 3", 3")	☒
Identity Data			

An architectural designer is editing a door family.

Why is the Rough Height (default) parameter dimmed?

- (x) It is based on a condition
- () It is an instance property
- () It is a type property
- () It is locked

[remedial] What prevents a parameter's value from being modified?

This question aligns with exam objective 1.4.f Apply simple mathematical formulas to parameters. Concepts are covered in Configure family geometry. [remedial]

#44

An architectural designer is working on two separate high-rise projects for the same client. Both will have identical bathroom layouts that repeat across several units and are located on different levels. Project A already has the bathroom layout designed and in place, while Project B does not as it is in early design stage.

If a design change happens later in Project B, any revisions should automatically update throughout all instances of that bathroom in Project B.

How should the architectural designer proceed in order to reuse the layout from Project A?

(x) Create a group from the bathroom layout in Project A, click Save Group, and then Load as Group in Project B.

() Link Project A into Project B and use it as a reference to generate the bathroom layout by using pick lines.

() Use Paste Aligned to Current View to copy from Project A into Project B while having both models open.

() Create a family based on the bathroom layout from Project A, and then load the family into Project B.

[remedial] How can you reuse a group of elements between projects?

This question aligns with exam objective 1.6.a Identify proper use cases for groups.

Concepts are covered in Create model groups. [remedial]

#45

Which keynote type should be used to tag a door instance using the keynote specified for the door type?

(x) Element keynote

() Material keynote

() User keynote

() Family keynote

[remedial] What property does a keynote refer to when placed on a view?

This question aligns with exam objective 2.2.b Configure and place keynotes. Concepts are covered in Configure and manage annotative elements. [remedial]

#46

Identify the workflow that will allow an architectural designer to split a large floor plan across two sheets, while maintaining consistent annotations and scale.

(x) From the primary floor plan view, select Duplicate as a Dependent twice, and add a Matchline at the split area.

() From the primary floor plan view, select Duplicate with Detailing twice, crop each view, and draw a Detail Line at the split area.

() From the primary floor plan view, select Duplicate once, use Filled Region to mask unreferenced areas, and add a Detail Line at the split area.

() From the primary floor plan view, create a Callout, match the primary view's scale, and draw a Model Line at the split area.

[remedial] What line type can be used to indicate that a view is separated onto multiple sheets?

This question aligns with exam objective 2.2.e Create a matchline and view references. Concepts are covered in Configure and manage annotative elements. [remedial]

#47

A repeating detail component representing brick units has been placed along a straight line in a drafting view using fixed distance spacing.

An architectural designer then adjusts the line length.

What effect will this have on the already placed brick components?

(x) All instances of the brick components will automatically redistribute along the updated line length, adjusting the total number of bricks.

() The brick components will maintain their original positions with manual spacing changes required to match new line length.

() The original number of brick components will remain the same while compressing or stretching their size to fit the new line length.

() The brick components will lose their association from the updated line and its layout will switch to a fixed number.

[remedial] How does the fixed distance spacing affect the repeating detail component?

This question aligns with exam objective 2.5.d Create and use a repeating detail component. Concepts are covered in Create and control detail and drafting views.

[remedial]

#48

A model contains the following externally referenced files:

- A linked DWG
- A linked PDF

- A linked point cloud
- An imported Decal

An architectural designer needs to review the status of all references, reload updated files when available, and identify any missing file paths using the Manage Links dialog.

Which option correctly describes what can be managed from the Manage Links dialog?

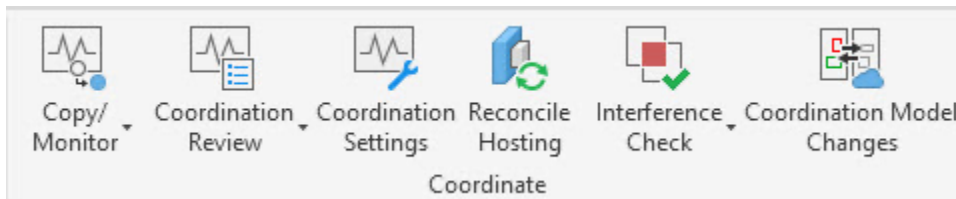
- (x) The DWG, linked PDF, and point cloud can all be reloaded and managed, but the imported Decal cannot.
- () Only the DWG and point cloud can be managed. The linked PDF and Decal are managed separately.
- () All four file types can be managed from the Manage Links dialog because they are external references.
- () Only the DWG can be managed because PDF, Decal, and point cloud are embedded into the project after insertion.

[remedial] Which externally referenced file cannot be controlled in the Manage Links dialog?

This question aligns with exam objective 3.2.c Use the Manage Links dialog to link files. Concepts are covered in Link and manage various file formats. [remedial]

#49

Refer to exhibit.



The Copy/Monitor tool was used to coordinate the grids and levels between the structural and architectural models. During a coordination meeting, the structural engineer informs the team that multiple grids were updated per calculations.

Which tool should the architectural designer use to update the architectural grids?

- () Copy/Monitor
- (x) Coordination Review
- () Interference Check
- () Coordination Model Changes

[remedial] What tool allow the architectural designer to check for coordination changes?

This question aligns with exam objective 3.6.d Perform a coordination review on a linked model. Concepts are covered in Use the Copy/Monitor process and features. [remedial]

#50

Refer to exhibit.

<Sheet Index - Building Package>				
A	B	C	D	E
Sheet Numb	Sheet Name	Sheet Sort	Sheet Group	Sheet Collection
General				
G100	Cover	000	General	Package 2 - Building
Architectural				
A000	Overall Site Plan	070	Architectural	Package 1 - Site
A100	Enlarged Site Plan	070	Architectural	Package 1 - Site
A101	Architectural Floor Plans	070	Architectural	Package 2 - Building
A102	Architectural Floor Plans	070	Architectural	Package 2 - Building
A201	Architectural Building Elevations	070	Architectural	Package 2 - Building
A202	Architectural Building Elevations	070	Architectural	Package 2 - Building
A301	Architectural Building Sections	070	Architectural	Package 2 - Building
A401	Architectural Enlarged Views	070	Architectural	Package 2 - Building
A501	Site Details	070	Architectural	Package 1 - Site
A601	Architectural Schedules	070	Architectural	Package 2 - Building

While creating the sheet list for a building package, an architectural designer notices that site related sheets, which are not part of this package, are appearing in the list.

How should the designer update the schedule to only show building package sheets?

(x) Filter the Schedule by Sheet Collection and select Package 2 - Building.

() Filter the Schedule by Sheet Number to remove all the site sheets.

() Sort the Schedule by Sheet Collection and select the Header checkbox.

() Sort the Schedule by Sheet Number and split it to hide the site sheets.

[remedial] What schedule properties should be modified to reach the output shown in the exhibit?

This question aligns with exam objective 4.3.c Create and manage sheet collections.

Concepts are covered in Use and manage the project browser. [remedial]

#51

Refer to exhibit.

<Area Schedule>				
A	B	C	D	E
Level	Name	Area	Program Area	Area Difference
LEVEL 1	ADMIN OFFICE	755 SF	700 SF	55 SF
LEVEL 1	CONFERENCE ROOM	811 SF	1000 SF	-189 SF
LEVEL 1	EQUIPMENT	336 SF	400 SF	-64 SF
LEVEL 1	JANITOR CLOSET	212 SF	200 SF	12 SF
LEVEL 1	LOBBY	378 SF	500 SF	-122 SF
LEVEL 1	OFFICE	433 SF	430 SF	3 SF
LEVEL 1	RESTROOM	200 SF	200 SF	0 SF

An architectural designer would like to visually distinguish the rooms, where actual area is less than the required program area as shown in the exhibit.

How is this achieved?

(x) Add a Calculated Parameter and conditional formatting for each field.

() Add a Combined Parameter and conditional formatting for each field.

() Create a new Shared Parameter that subtracts Program Area from Area.

() Create a new Project Parameter that subtracts Program Area from Area.

[remedial] What schedule properties should be modified to reach the output shown in the exhibit?

This question aligns with exam objective 5.1.b Add and modify instance and type parameters. Concepts are covered in Create and manage advanced schedules. [remedial]