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## Revit Architecture Training Placement Evaluation

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### *Mid-West CAD Internal use only*

*Evaluation by:* \_\_\_\_\_ *on* \_\_\_\_\_  
*Instructor* *Date*

*Recommended for: Revit Architecture Fundamentals* \_\_\_\_\_, *Specialized* \_\_\_\_\_

*Notes:* \_\_\_\_\_

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## Revit Architecture Placement Evaluation

The intent of this evaluation is to gauge your knowledge of Revit Architecture software to insure that Mid-West CAD can recommend the right Revit training course to meet your needs and ability. Placement in the proper level of study will not only maximize your educational experience, but will allow the course to flow at an even pace for all students. The questions on this evaluation are based on Revit Architecture versions thru Revit Architecture 2012. This evaluation is not meant to measure a person's employability and Mid-West CAD is not responsible if used in this manner.

**INSTRUCTIONS:**

Answer all questions as indicated by circling the correct answer. If you encounter a question for which you do not know the answer, place a slash ( / ) thru the question number. **It is intended that this evaluation be taken without the use of Revit Architecture or other reference materials.** Some questions may have more than one correct answer so select all that you believe to be correct. Please do not take the exam with a red pen or pencil.

Your current level of knowledge:

What, if any versions of Revit Architecture do you have experience with?

Earlier Version: \_\_\_\_\_ Revit Architecture 2009 2010 2011 2012

How long have you been working with Revit Architecture?

Never	0-6 months	6-12 months	12-18 months
	18-24 months	24+ months	

What is your Revit Architecture training background?

None	Self-taught	On the job	Vo-Tech
	College	Training Center	

On a scale of 1 to 10, 10 being highest, how would you rate your operating system command knowledge?

- a. Windows XP    1 2 3 4 5 6 7 8 9 10
- b. Windows Vista 1 2 3 4 5 6 7 8 9 10
- c. Windows 7     1 2 3 4 5 6 7 8 9 10
- d. Other            1 2 3 4 5 6 7 8 9 10    What System?

1. What are the two main ways to create a roof in Revit Architecture?  
\_\_\_\_\_ and \_\_\_\_\_
2. Which command do you use to change the thickness of a line in a view?
  - a. Model Lines
  - b. Linework
  - c. Detail Lines
  - d. Edit Cut Profile
3. When do you add railings to the sides of a stair or a ramp?
  - a. When you create the stair or ramp in sketch mode
  - b. After the stair or ramp is complete
  - c. Draw the railing separately after the stair or ramp is drawn, then use Attach
  - d. The railing is automatically included when you create the stair or ramp.
4. What type of view do you need to be in to add a level to your project?
  - a. Elevation
  - b. Section
  - c. 3D
  - d. All of the above
5. The Pick Host command allows you to move a door to a different wall.
  - a. True
  - b. False
6. What can be created with the Group command
  - a. Model Groups
  - b. Detail Groups
  - c. Group and Associate relationships
  - d. Attached Detail Groups
7. What must be done first before you can add areas to a project?  
\_\_\_\_\_
8. Which types of views can be saved and re-used in other Revit projects?
  - a. Legends
  - b. Elevations
  - c. Floor Plans and Ceiling Plans
  - d. Drafting Views, Schedules, and Sheets
9. Circle the two types of Calculated Value fields that can be used in a schedule.
  - a. Area
  - b. Volume
  - c. Percentage
  - d. Formula

10. What file type are shared parameters stored?

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11. What objects can you Remake when working with mass elements?

- a. Walls
- b. Roofs
- c. Curtain Systems
- d. Floors

12. What objects can be monitored using Copy/Monitor?

- a. Grids
- b. Levels
- c. Floors
- d. Roofs

13. You would use Split Surface to separate parts of the toposurface to be used with different materials and to use Graded Region or Edit Surface on the new section(s).

- a. True
- b. False

14. How do you add a single item to a selection set?

- a. Just pick it with the left mouse button
- b. Hold the Shift key while picking the object
- c. Hold the Control key while picking the object
- d. Select a window

15. How can you edit most objects in Revit Architecture?

- a. Options Bar (Type Selector and Properties)
- b. Temporary dimensions
- c. Controls
- d. All of the above

16. What command do you use to create a Curtain Wall?

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17. Which files can be imported into Revit Architecture

- a. .dwg
- b. .dgn
- c. .xls
- d. .skp

18. List three of the functions that layers can be within compound wall, roof, and floor structures?

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19. What components are saved in Object Styles?

- a. Line Color
- b. Material
- c. Line Pattern
- d. All of the Above

20. What is stored in a template file?
- Settings such as units, text, and dimension types
  - Objects such as walls, windows, and doors
  - Views
  - Materials
21. Which types of Worksets can be edited?
- View
  - User-created
  - Imported
  - Project Standards
22. When using the Wall>Wall Sweep command, sweeps can be horizontal, vertical, or at an angle specified in the options bar.
- True
  - False
23. What command do you use to set up a view to show specific design options?
- 
24. What can you do if you want to modify an element that someone has is checked out for editing?
- 
25. Circle the following *true* statements with regard to Symbols and Detail Components?
- Symbols are view specific
  - Detail Components can only be used in Drafting views
  - Detail components change size based on the scale of the view.
  - Symbols change size based on the scale of the view
26. When you create custom stairs with boundary and riser lines the boundary lines should form a closed boundary.
- True
  - False
27. How do you change the thickness of the floor?
- Change the floor type
  - Change the Thickness parameter in the Element Properties dialog box
  - Change the thickness on the Options Bar
  - You specify the thickness while sketching lines in Sketch mode
28. How do you change how two mullions intersect?
- Select the mullion and change it in the Options Bar
  - Select the mullion and change it in the Element Properties dialog box
  - Change the mullion type in the Type Selector
  - Select the mullion and use the control at either end.
29. Where can you create new text styles?
-

30. What must be true of a roof or floor to get the Modify Sub-Element, Draw Points, Draw Split Lines, and Pick Supports tools to be available?

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31. Why should you draw reference planes in a family before you add any objects?

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32. What command do you use to embed one wall into another?

- a. Automatically Embed
- b. Cut Geometry
- c. Join Geometry
- d. Host Element

33. What type(s) of schedules can be created with the Schedule/Quantities command?

- a. Key Schedule
- b. Material Takeoff
- c. Standard Schedule
- d. Drawing List

34. How do you check out a Workset?

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35. Legends can be placed on more than one sheet.

- a. True
- b. False

36. How do you make a dimension a parameter when creating a family?

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37. Which method is used to remove one of the Level lines from a building section view without removing it from other views?

- a. Select the level line in the view and use the Delete key
- b. Uncheck "Levels" in the Annotation tab of "View Properties"
- c. Right-click on the Level line and select Hide in View>Elements
- d. Use the Project Browser to select the floor plan view associated with the Level.

38. How can view-specific display properties (Scale, Detail Level, View Range, etc...) be applied to existing views?

- a. Add a reference callout
- b. Copy and Paste
- c. Apply a View Template
- d. Set a default view template in options

39. Light Groups can be created by...

- a. Selecting a light and going to the Options Bar by Light Groups and selecting Edit/New.
- b. Open Render Dialog Box and click on Artificial Lights.
- c. Select a light and got to Properties and select the Edit button next to the Light Group parameter
- d. You cannot group lights together.

40. When importing vector data, how are Lineweights controlled?
- Application Menu>Import>Import Lineweights
  - Go to Manage tab of the Ribbon>Additional Settings>Lineweights
  - Click arrow in lower right hand corner of the Import panel on the Insert tab of the Ribbon.
  - Modify the lineweights in the AutoCAD drawing prior to importing.
41. What are the two fill pattern categories?
- Coarse and Fine
  - Hatched and Solid
  - Drafting and Model
  - Rendered and Linework
42. What is the benefit of element borrowing when using Worksharing?
- To edit an element without checking out worksets
  - To copy elements in the project when worksets are enabled
  - Allow all users the ability to edit the entire model at any time
  - Worksets can be eliminated completely in a team environment
43. How can witness lines be modified within dimensions?
- Use the “auto-dimension” feature from the Ribbon
  - Select the wall and edit its properties to “dimension openings”
  - Click and drag the upper grip on the witness line to the desired location
  - Change the property of the dimension to “centerline” or edge of face (interior or exterior)
44. Which tool is used to change walls from new walls to a phase for future construction?
- Use the Demolish tool
  - Edit the wall’s “Phase Created” property
  - Use the Linework tool to change the walls to dashed
  - Create a Wall Type called Future Walls and then change the walls in question.
45. Where are the graphic display settings of all the furniture in the entire model changed as opposed to view by view?
- Object Styles
  - View Template
  - Visibility/Graphics
  - Override Graphics in View