

Building Technology III

New York City College of Technology

Course Day 10

Revit Day 01
Take a Tour & Scavenger Hunt & Orient to View



Professor Paul C. King, RA, AIA, ARA
Prof.Paul.King@Gmail.com

<http://professorpaulking.wordpress.com/>
<http://students.autodesk.com/>

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

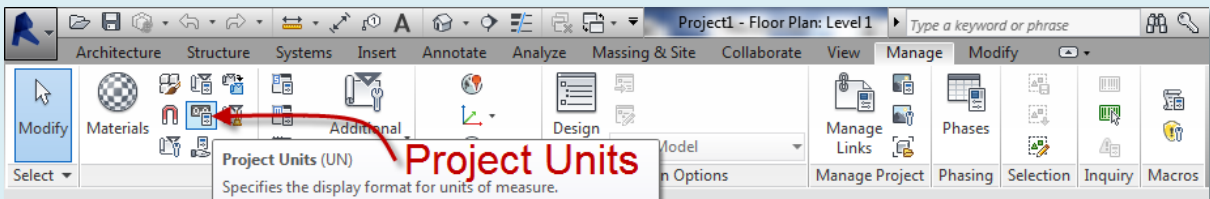
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

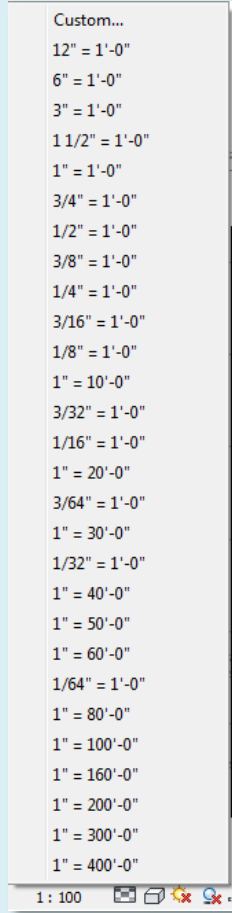
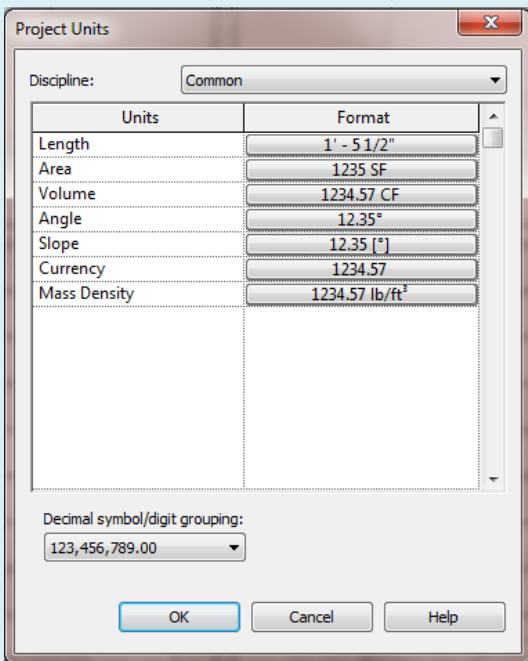
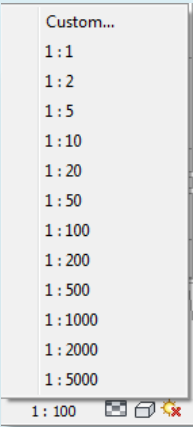
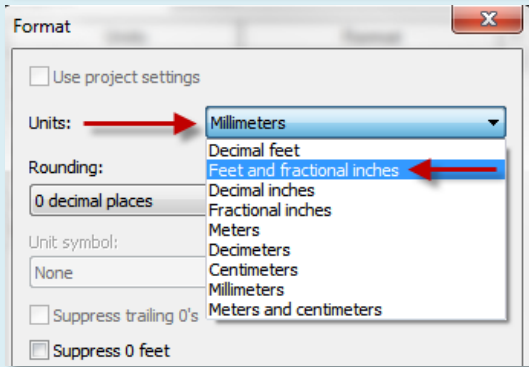
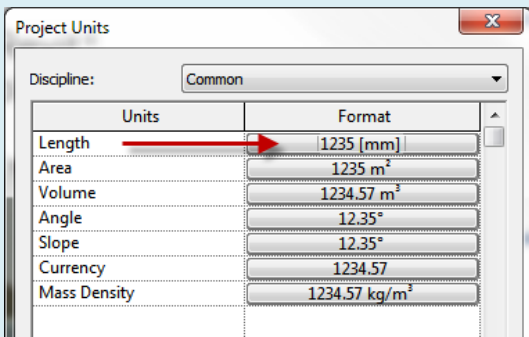
- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Manage - Project Units



Changing project units from Metric to English



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

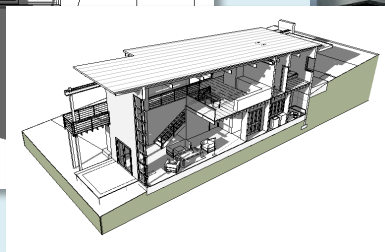
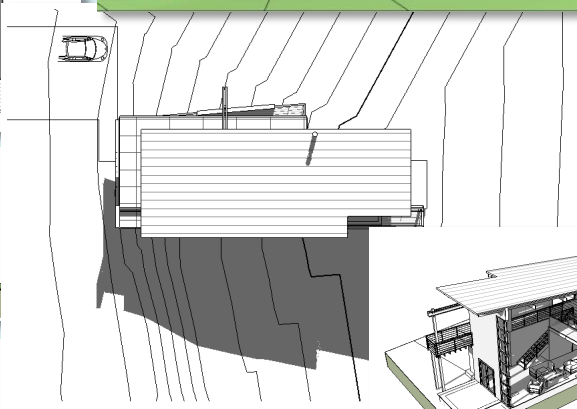
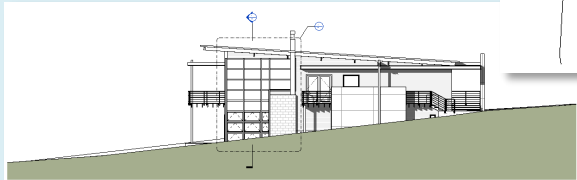
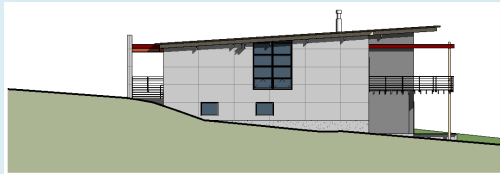
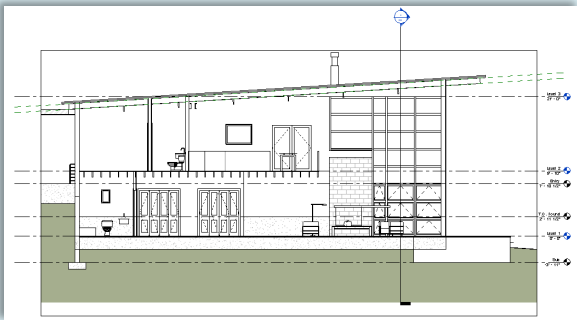
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Lets take a project tour



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

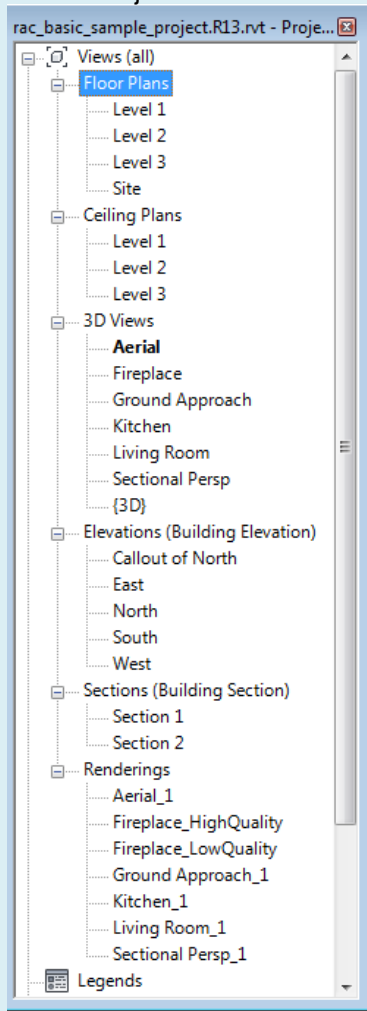
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

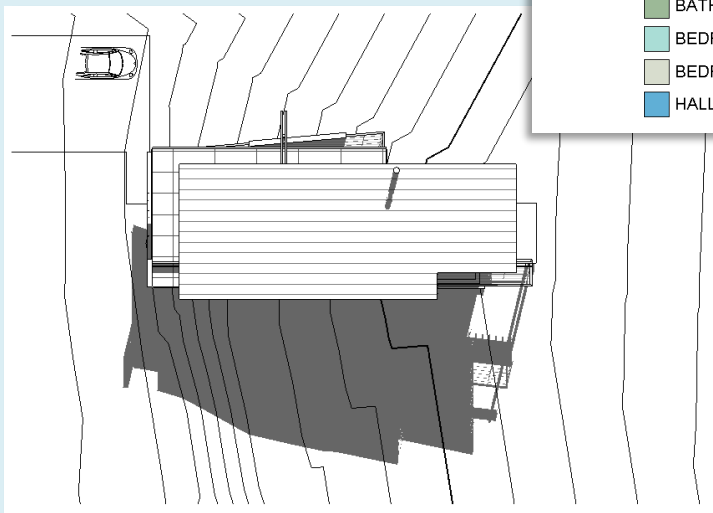
Project Browser – Floor Plans

Project Browser

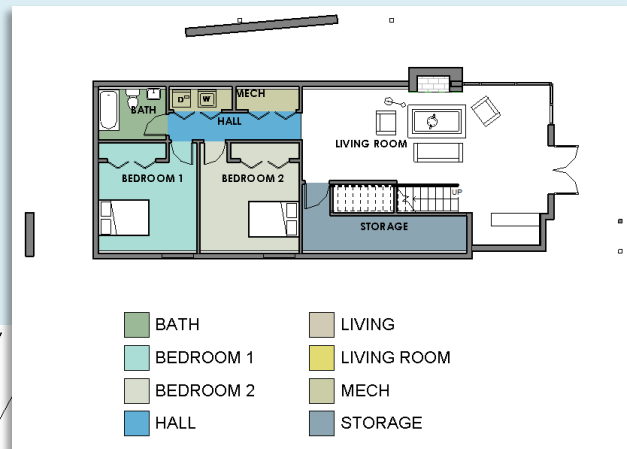


- Level 1 & Siteplan
- Scales 1/8" = 1'-0"

- Area Plan with Key



- Visual Styles
 - Hidden Line



- Site Plan with Shadows

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

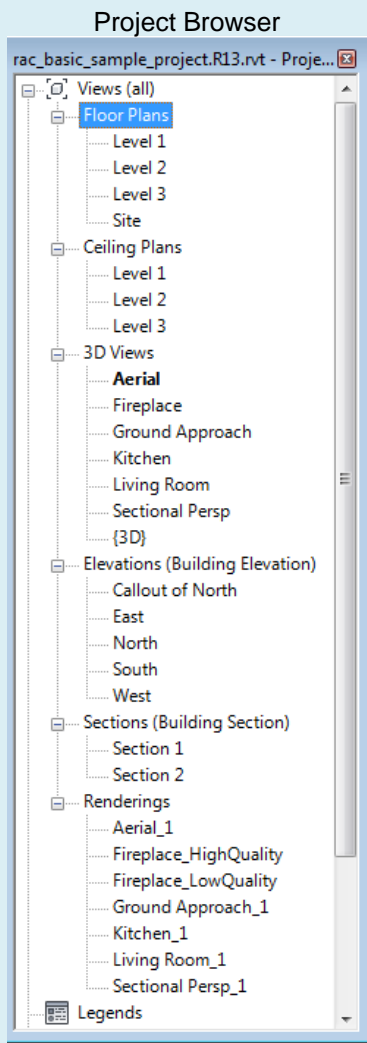
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

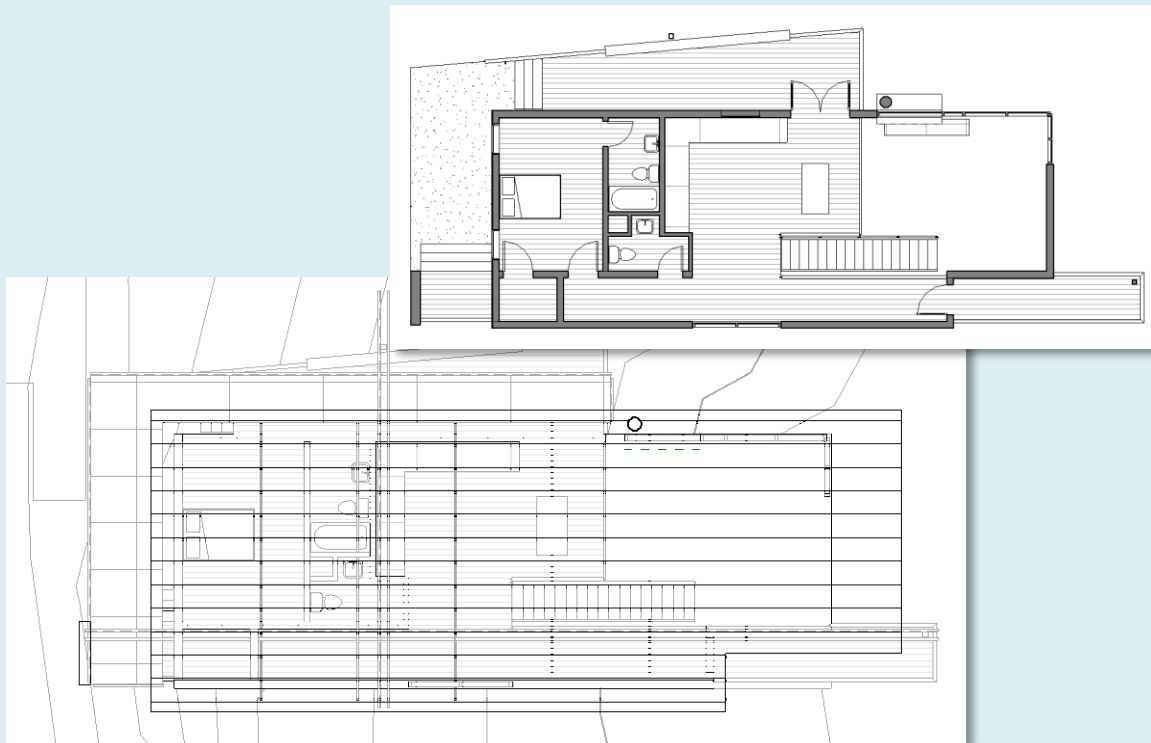
Wrap Up

Project Browser – Floor Plans



- Level 2 & 3 (roof)
- Scales 1/8" = 1'-0"

- Visual Styles
 - Hidden Line



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

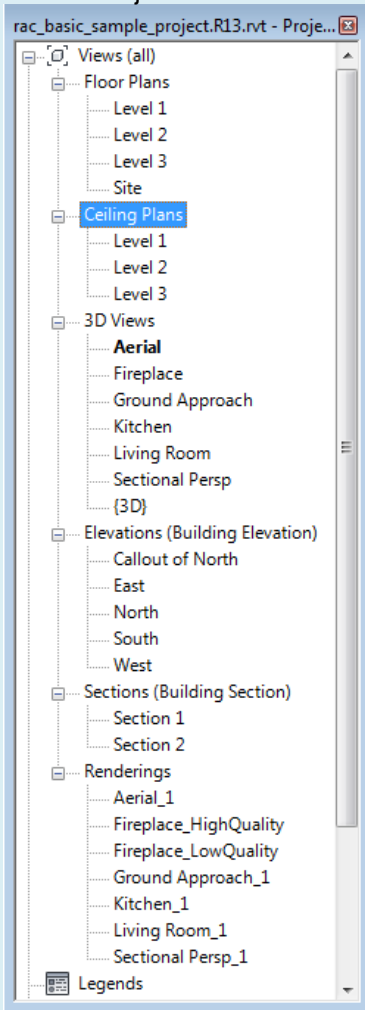
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

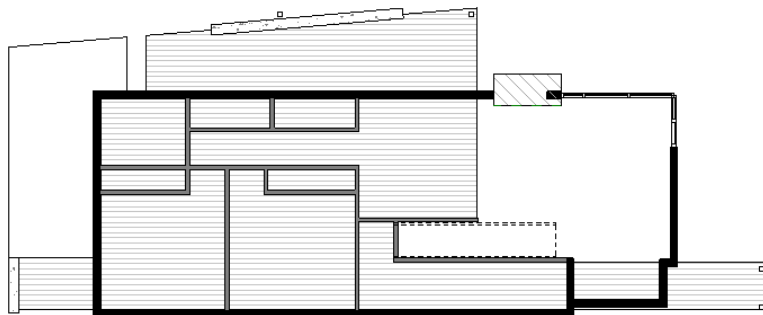
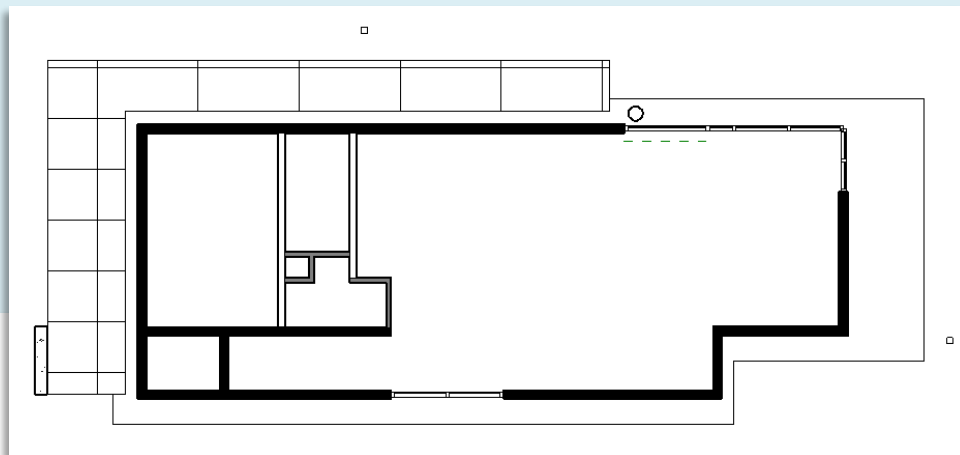
Project Browser – Ceiling Plans

Project Browser



- Level 1 & 2
- Scales 1/8" = 1'-0"

- Visual Styles
 - Hidden Line



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

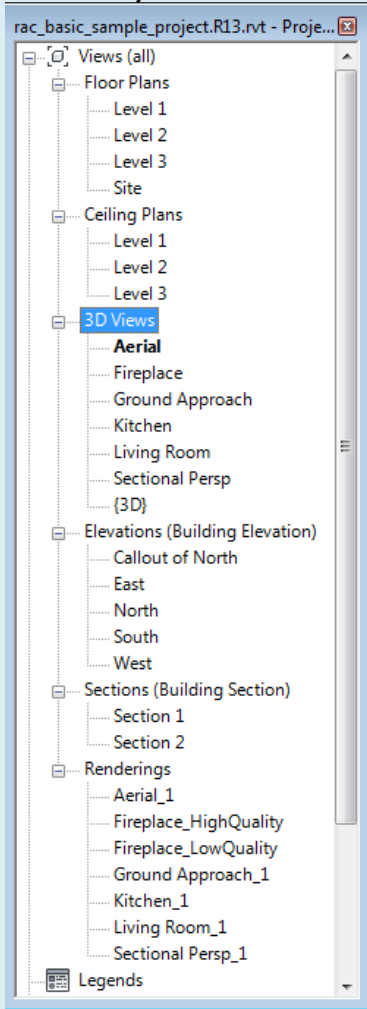
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Project Browser – 3D Views (perspective)

Project Browser



- Aerial & Ground Approach Perspective Views
- Visual Styles
 - Realistic & Shaded with Edges



RAC_Basic_Sample_Project.rvt

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

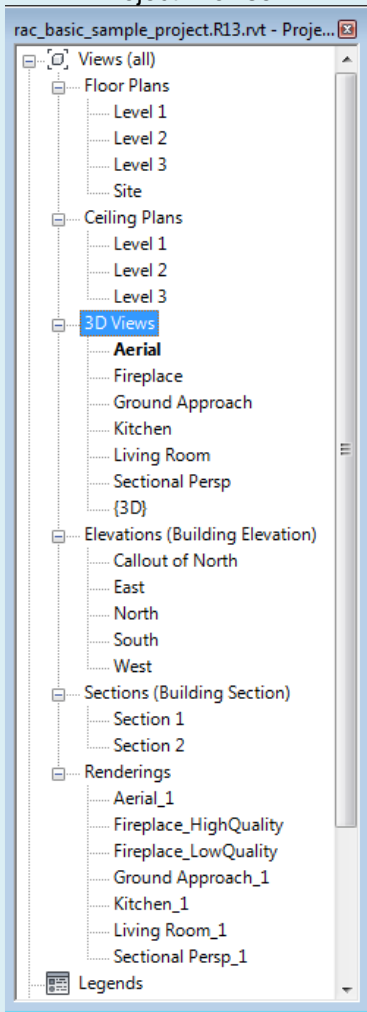
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

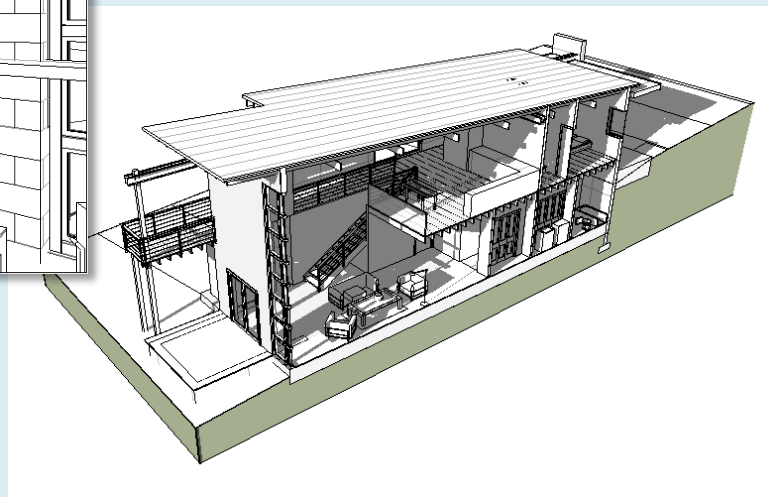
Wrap Up

Project Browser – 3D Views (perspective)

Project Browser



- Fireplace and Section Perspective Views
- Visual Styles
 - Hidden Line & Hidden Line with Shadows



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

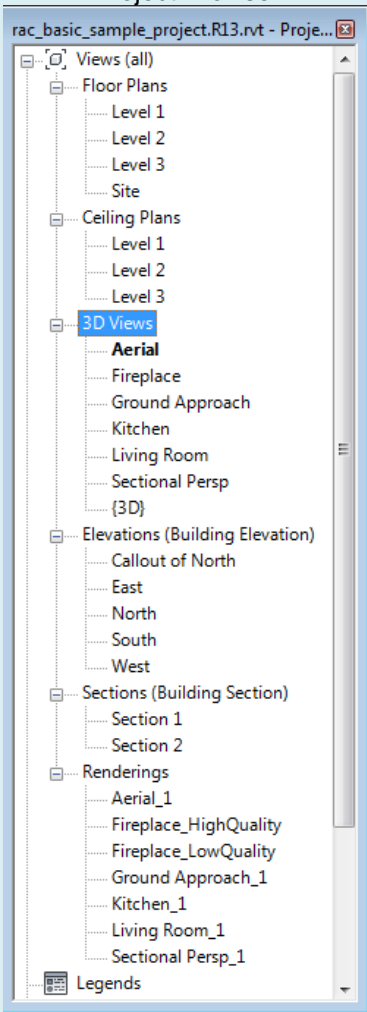
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Project Browser – 3D Views (perspective)

Project Browser



- Fireplace and Kitchen Perspective Views
- Visual Styles
 - Realistic & Shaded with Edges



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

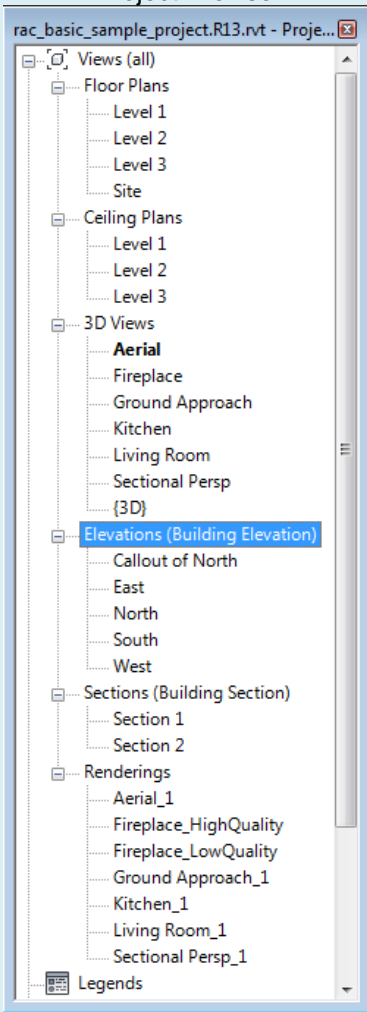
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Project Browser - Elevations (Building Elevations)

Project Browser



- South & North Elevations & Callout of North
- Scales $1/8" = 1'-0"$, $1/4" = 1'-0"$ & $1/2" = 1'-0"$
- Visual Styles
 - Shaded with Edges & Hidden Line with Shadows



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

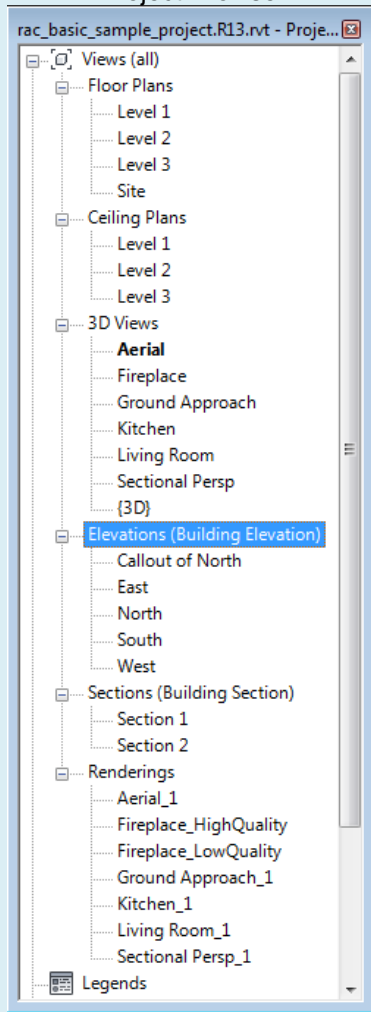
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

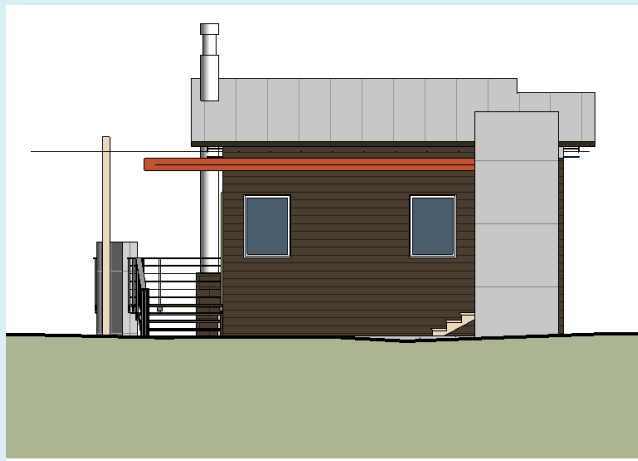
Wrap Up

Project Browser – Elevations (Building Elevations)

Project Browser



- East & West Elevations
- Scale 1/8" = 1'-0"
- Visual Styles
 - Shaded with Edges & Hidden Line with Shadows



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

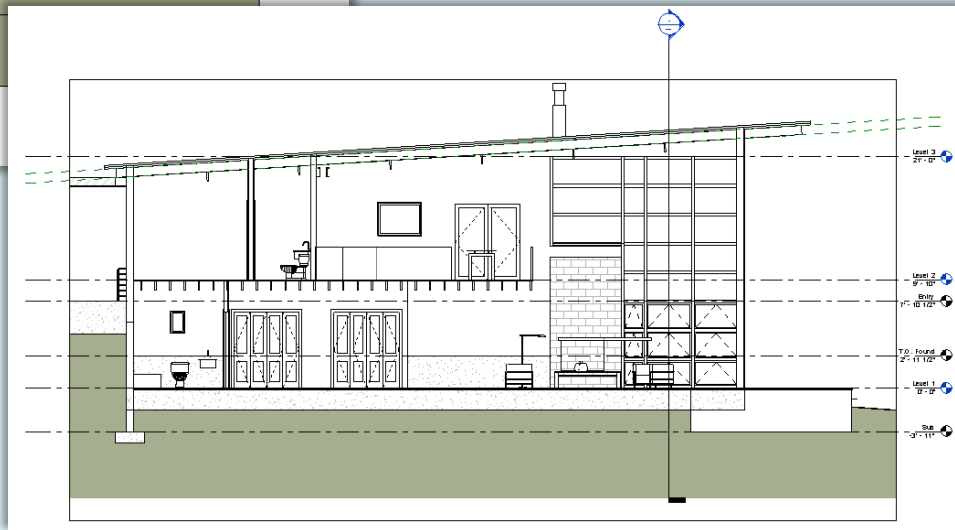
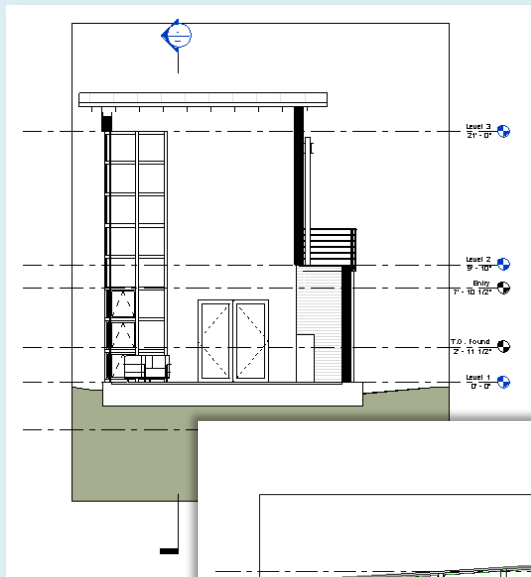
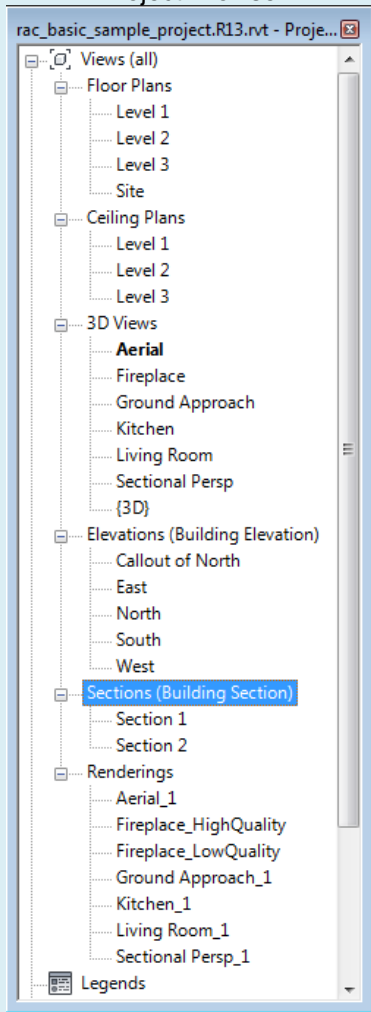
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Project Browser – Sections (Building Sections)

Project Browser



- Levels
- Section Markers
- Scale $\frac{1}{4}'' = 1'-0''$
- Visual Style
 - Hidden Lines

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

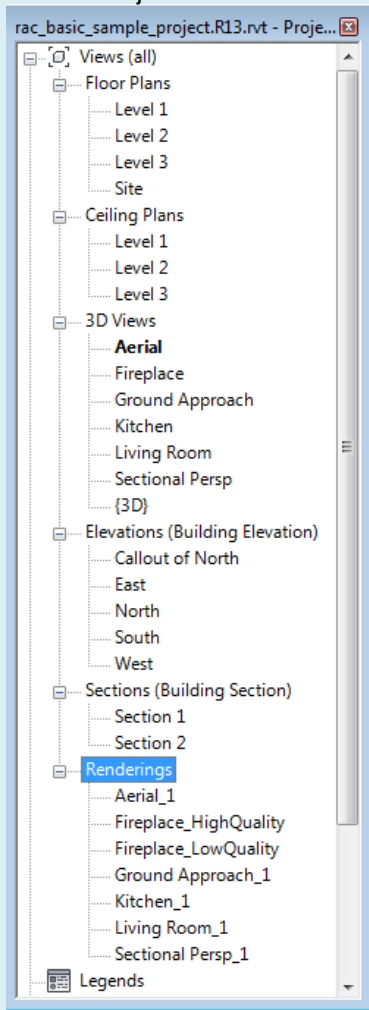
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Project Browser – Renderings (raster images)

Project Browser



- Section Perspective
- Ground Approach



RAC_Basic_Sample_Project.rvt

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

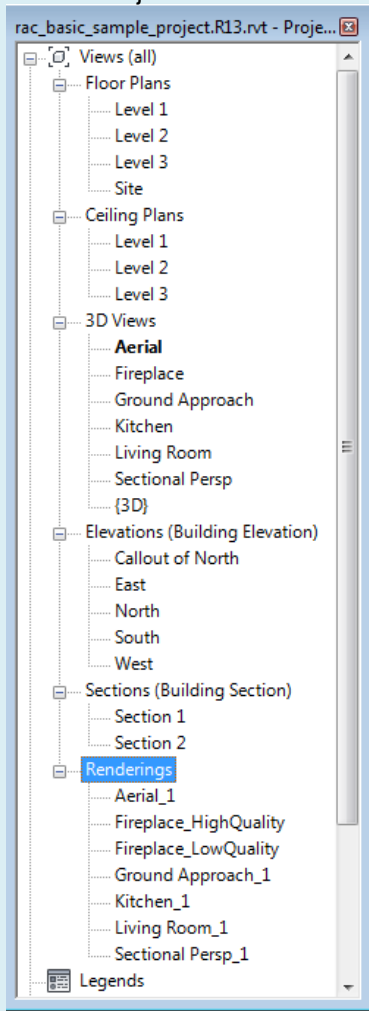
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

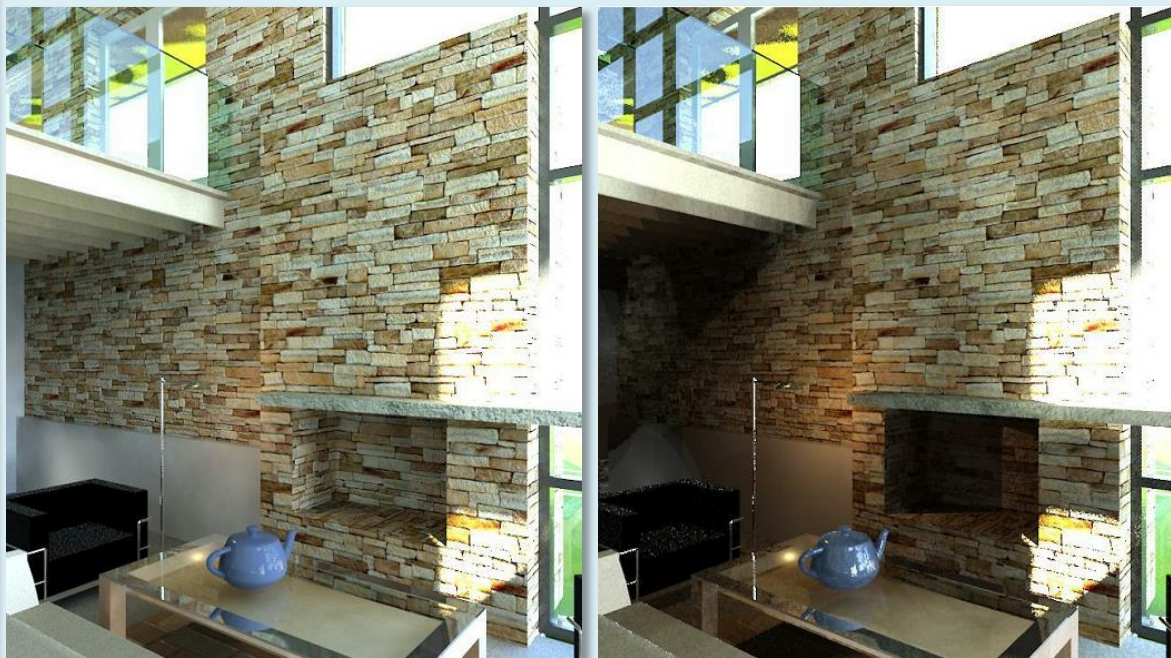
Wrap Up

Project Browser – Renderings (raster images)

Project Browser



- Realistic Renderings of the Fireplace
 - High Quality (brighter image)
 - Low Quality



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

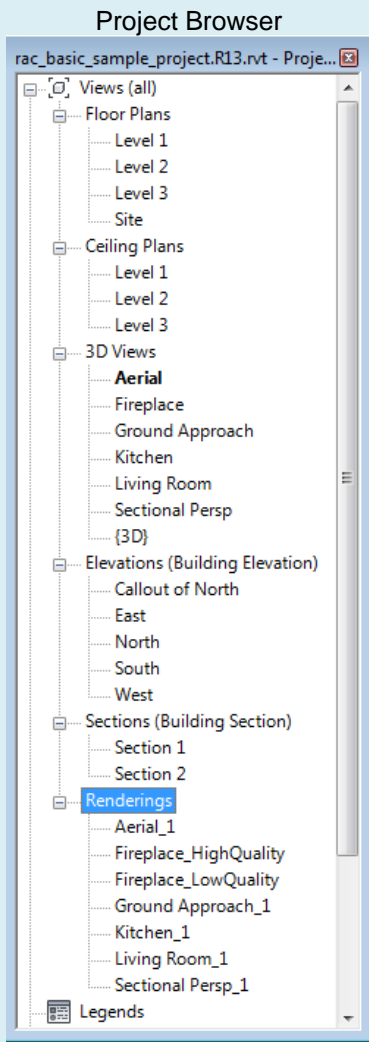
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Project Browser – Renderings (raster images)



- Kitchen on upper level
- Living Room below



RAC_Basic_Sample_Project.rvt

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

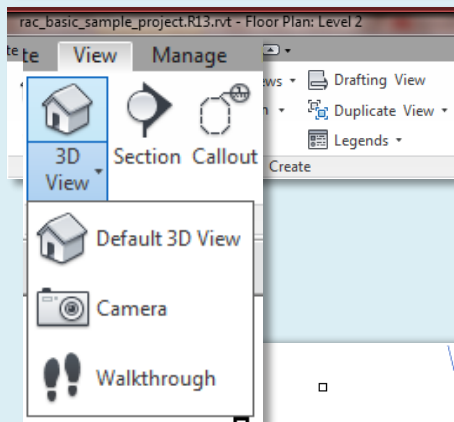
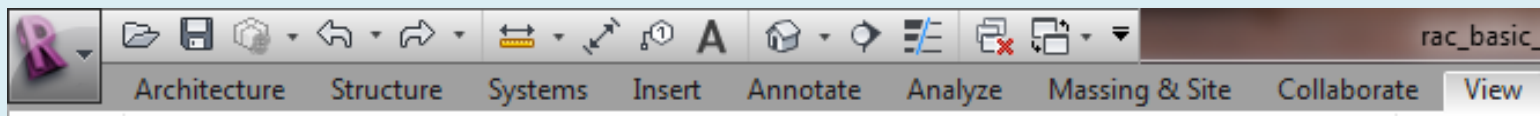
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

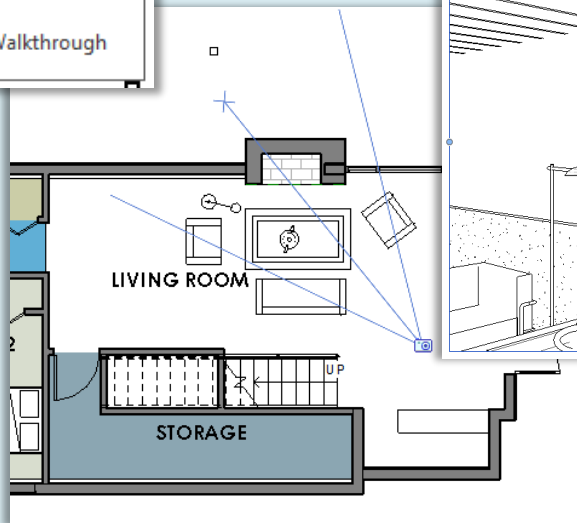
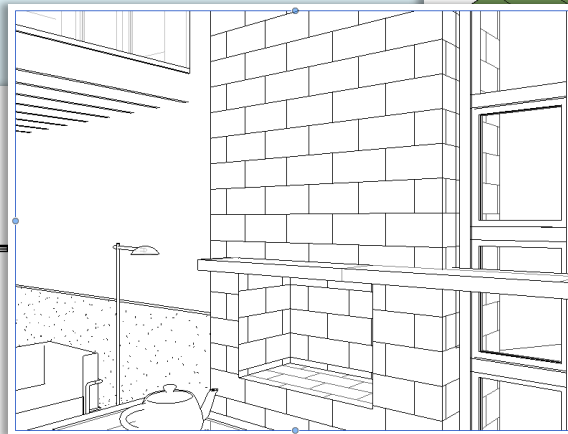
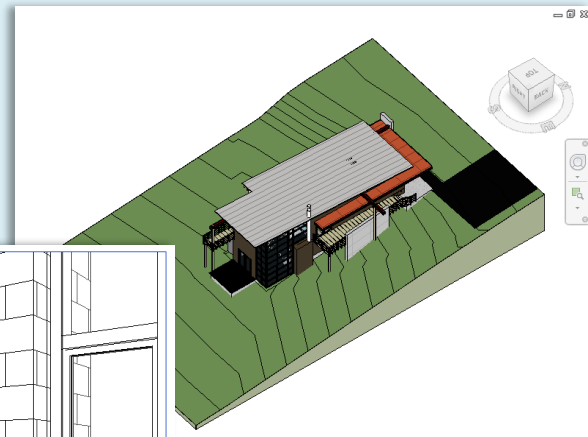
Wrap Up

Creating New Views – 3D

Quick Access Toolbar



- Isometric
- Perspectives
- Walkthroughs



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

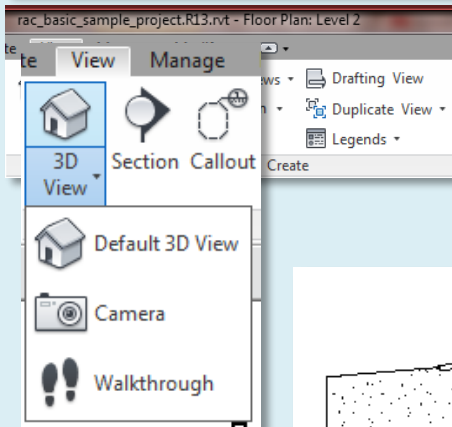
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

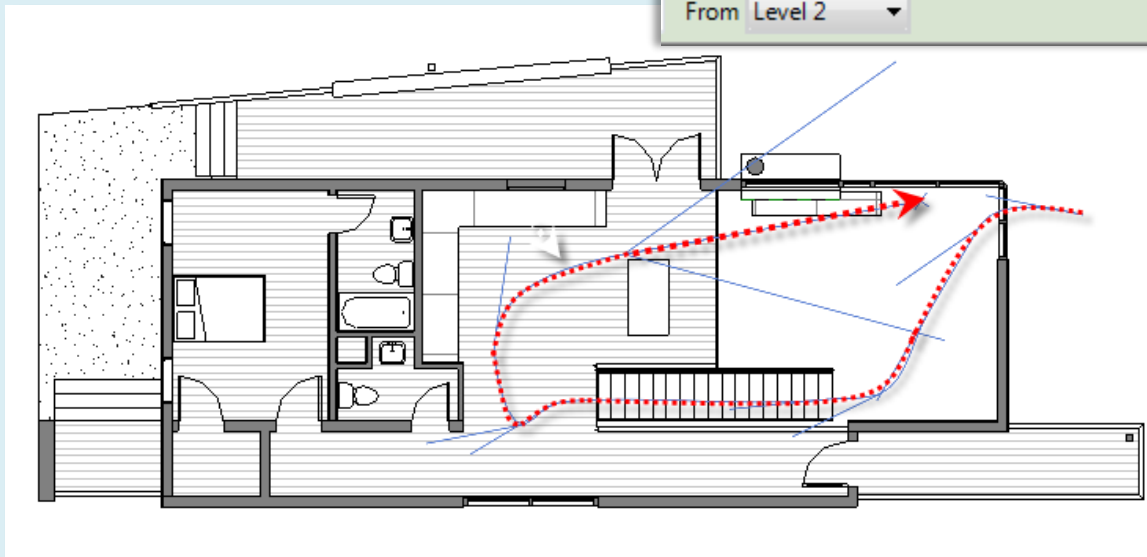
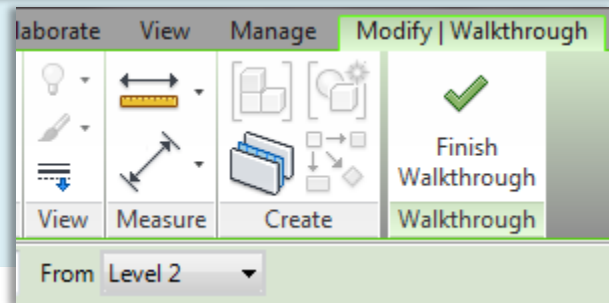
Wrap Up

Creating New Views – 3D

Quick Access Toolbar



- Isometric
- Perspectives
- Walkthroughs



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

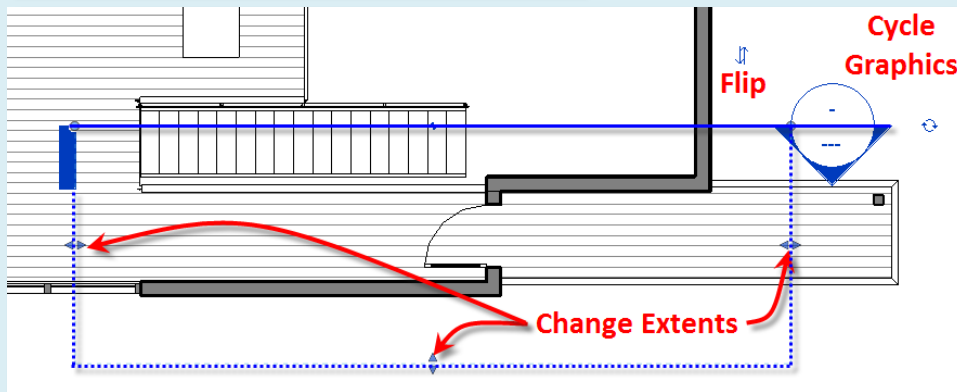
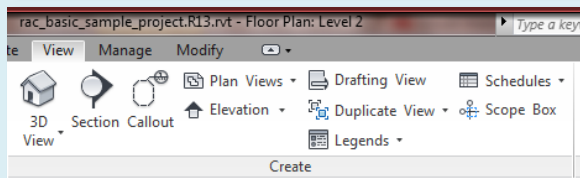
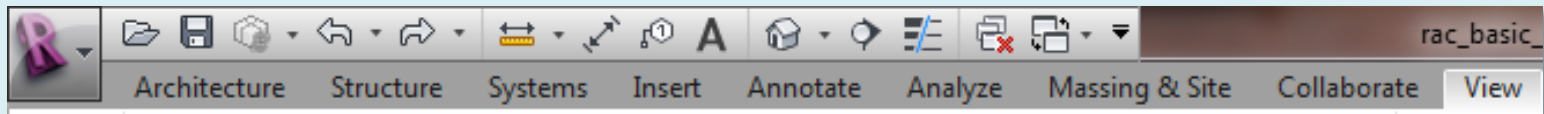
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

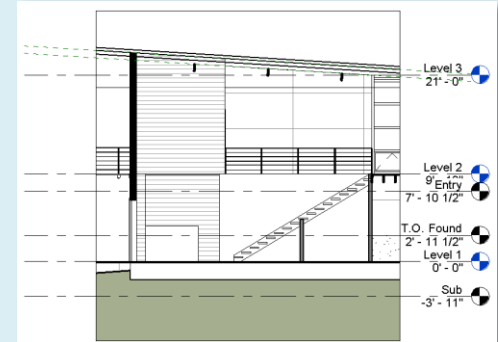
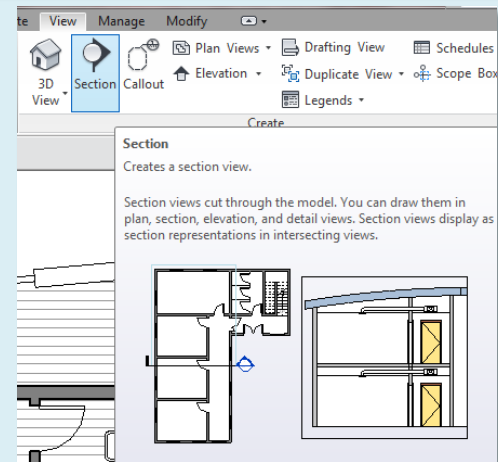
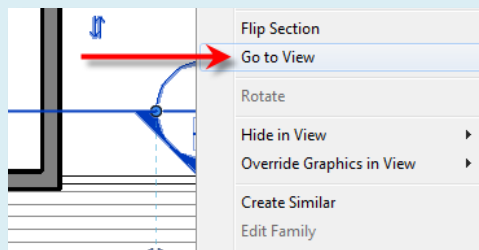
Wrap Up

Creating New Views - Section

Quick Access Toolbar



- Section scale will match plan scale



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

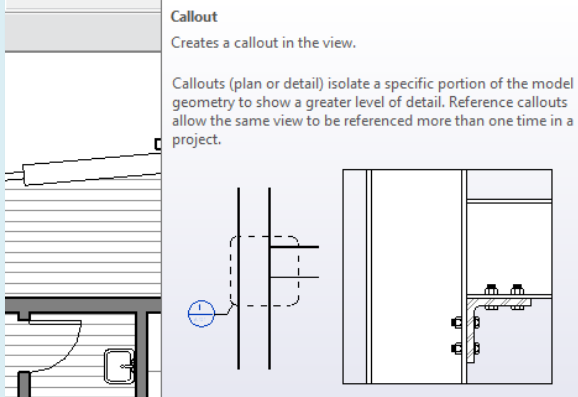
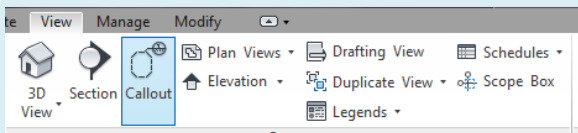
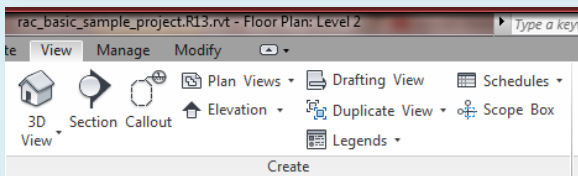
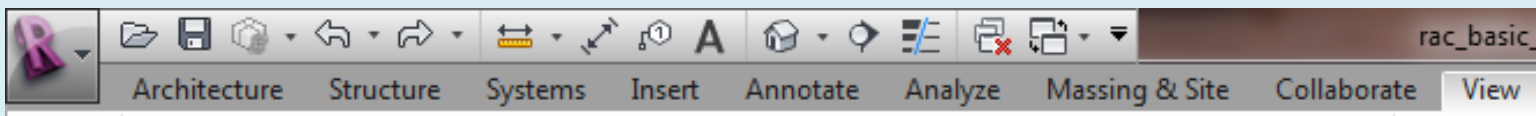
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

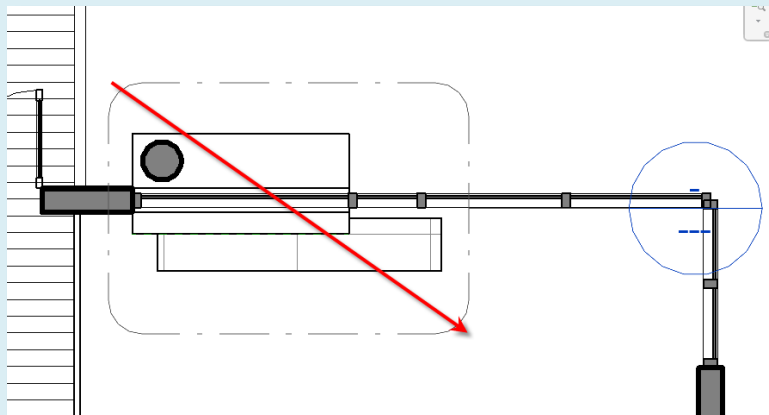
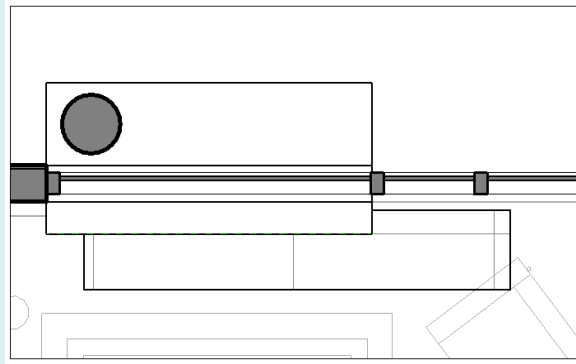
Wrap Up

Creating New Views - Callouts

Quick Access Toolbar



- Scale of callout doubles
- 1/8 plan creates a 1/4 callout



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

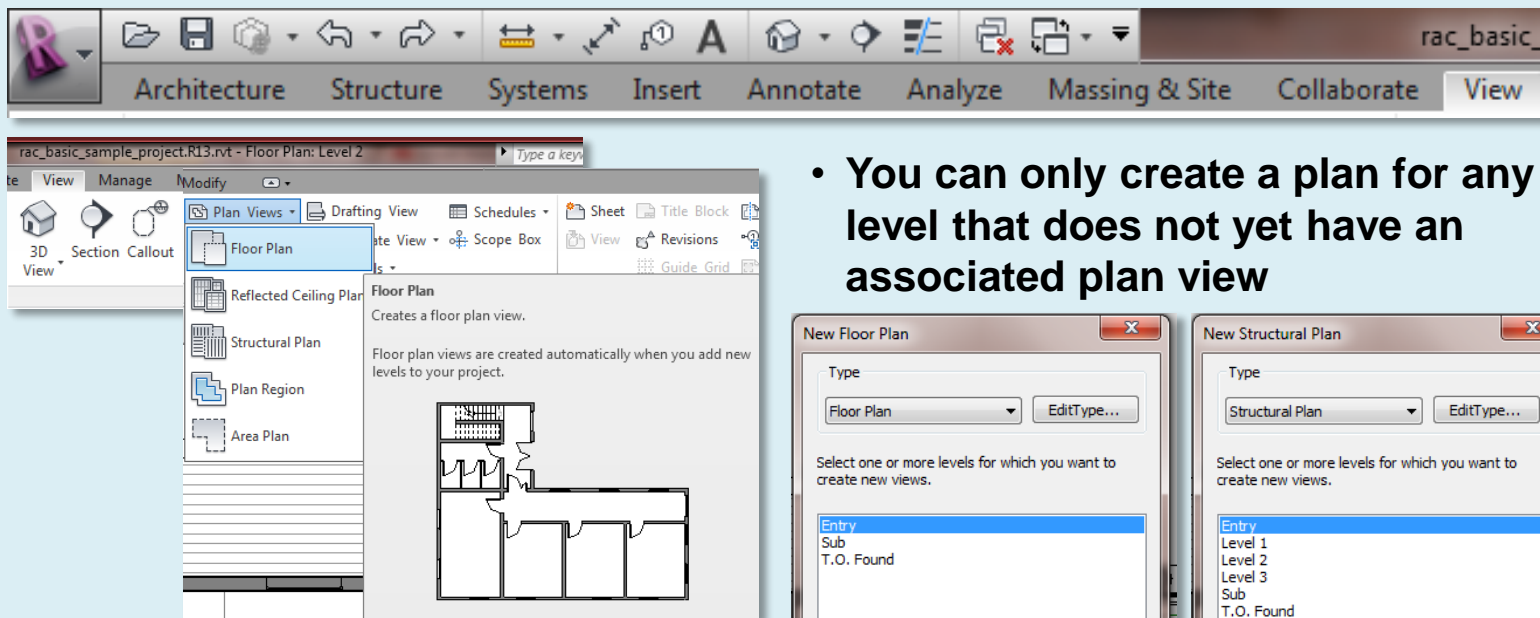
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

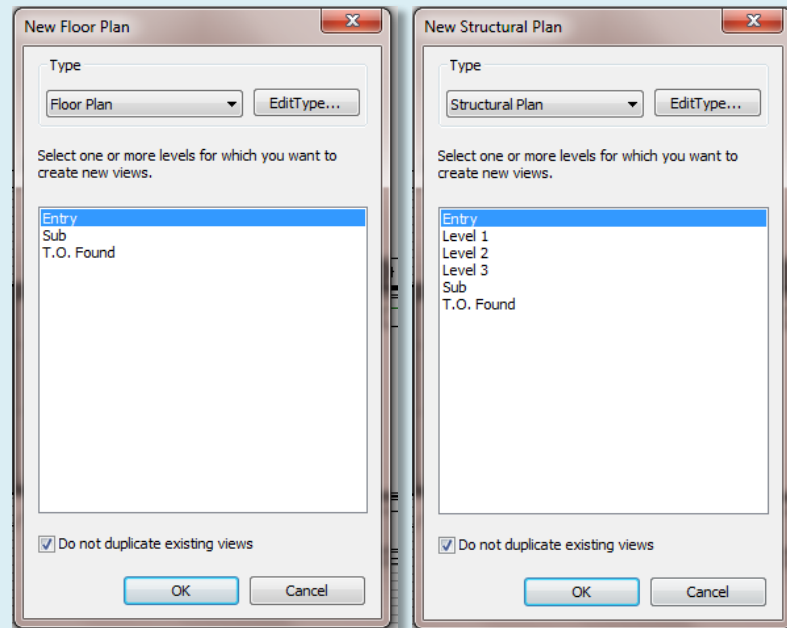
Wrap Up

Creating New Views – Plan Views

Project Browser



- You can only create a plan for any level that does not yet have an associated plan view



- Floor plans
- Reflected ceiling plans
- Structural plans
- Region plans
- Area plans

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

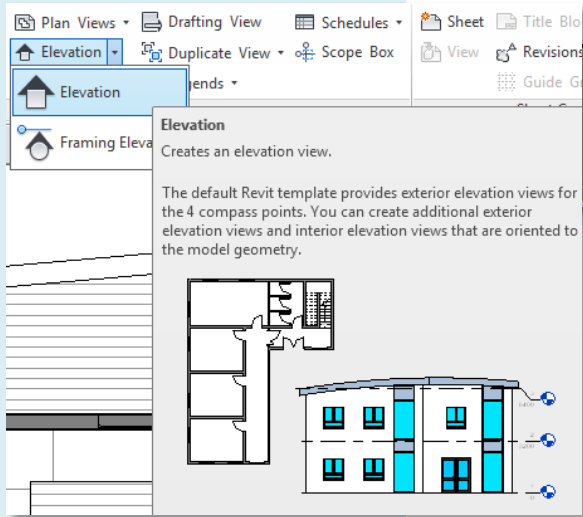
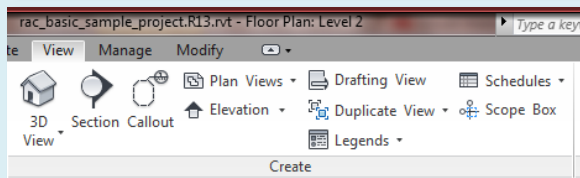
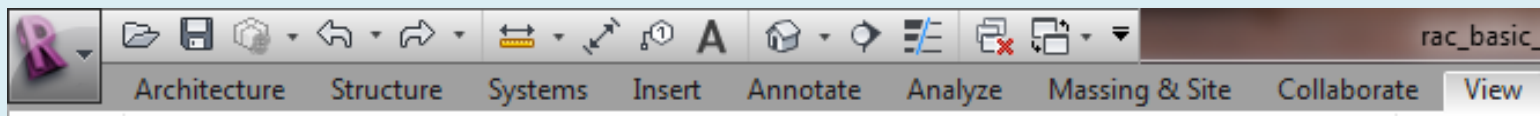
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

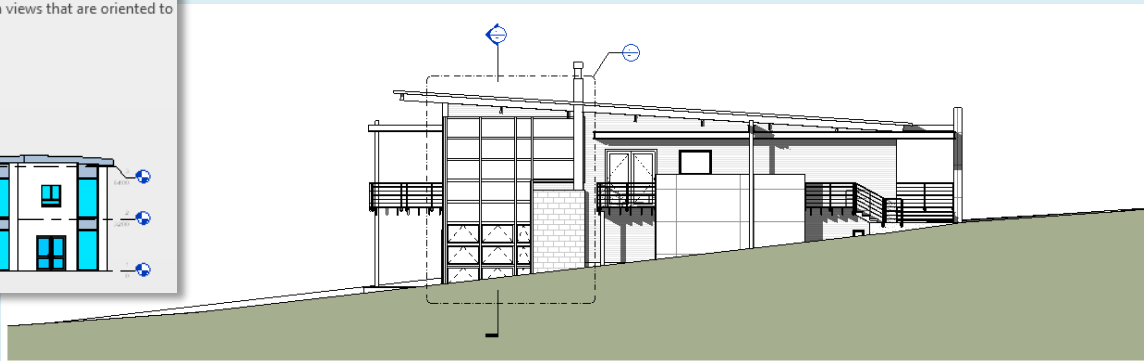
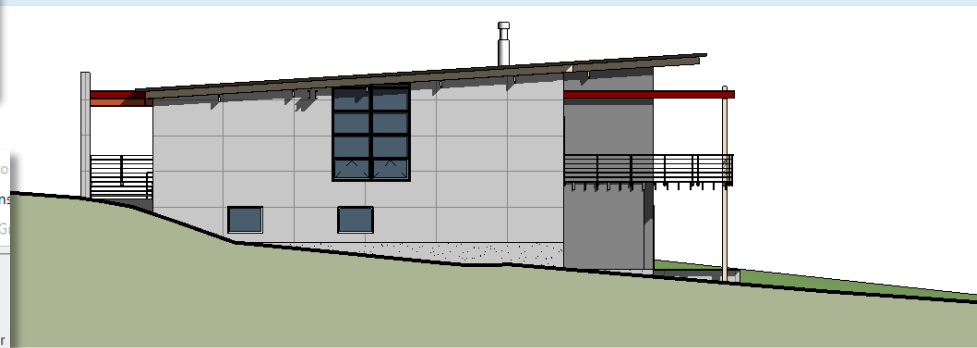
Wrap Up

Creating New Views - Elevation

Project Browser



- Scale typically matches floor plans



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

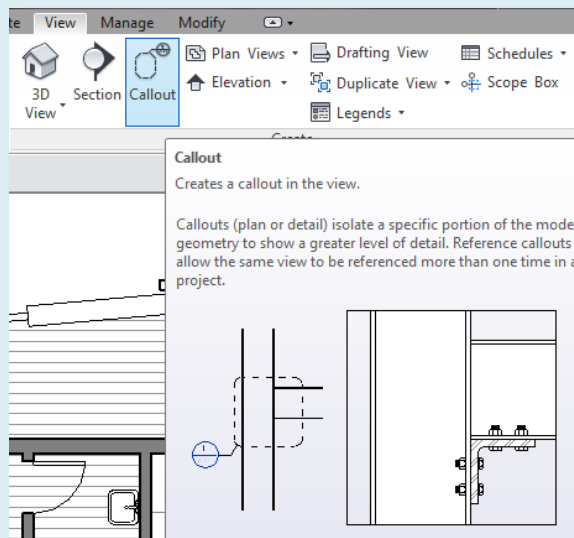
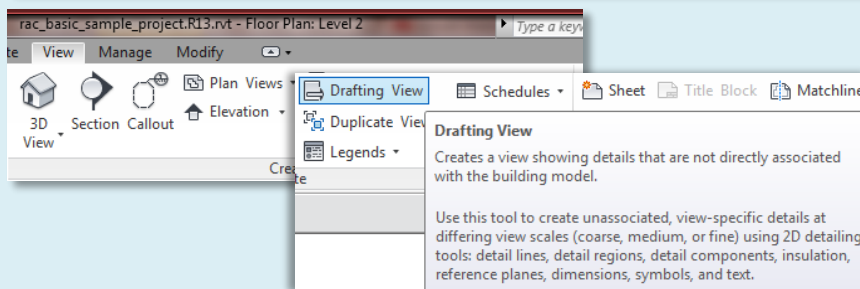
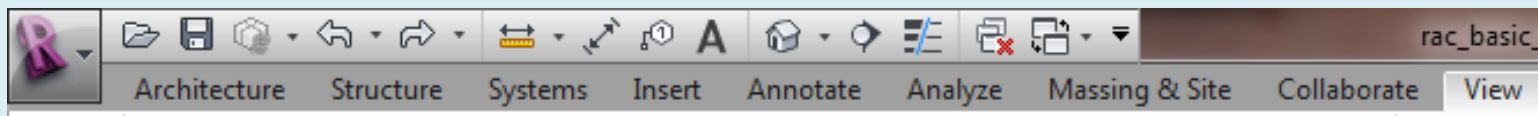
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

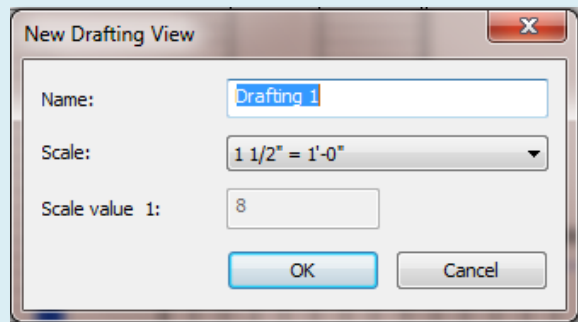
Wrap Up

Creating New Views – Drafting Views

Quick Access Toolbar



- A non-associated view for creating details**



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

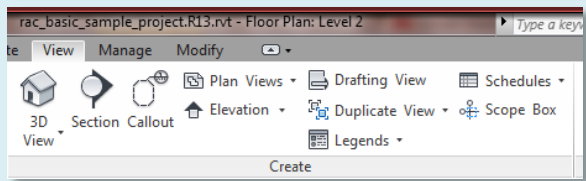
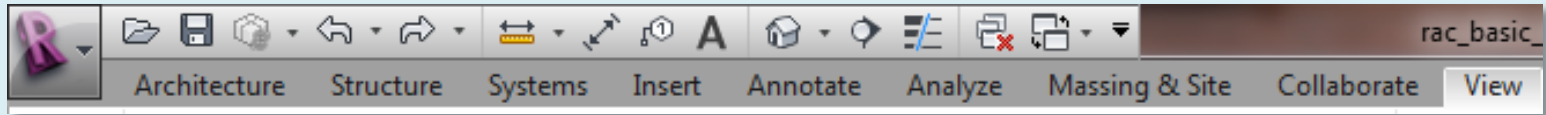
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

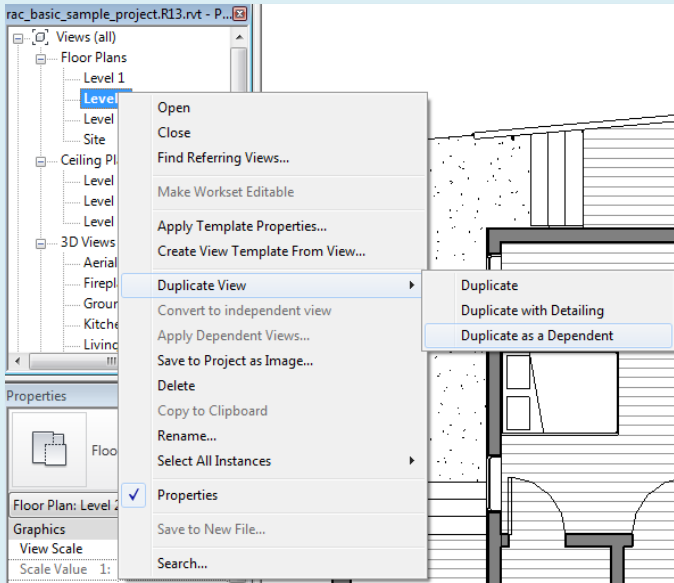
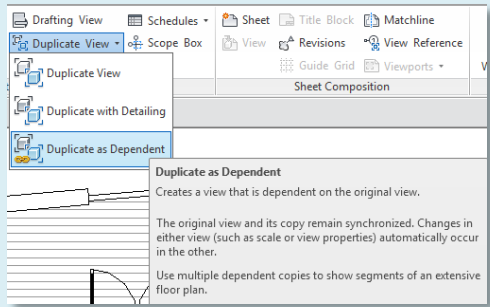
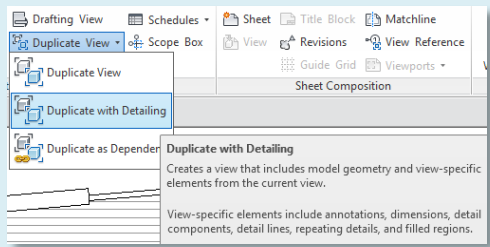
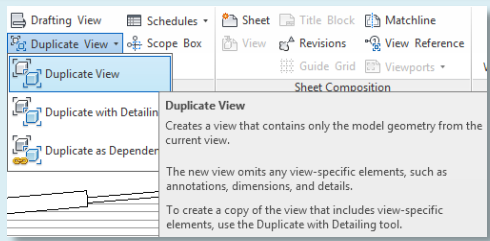
Wrap Up

Creating New Views - Duplicate

Quick Access Toolbar



- Duplicate
- Duplicate with detailing
- Duplicate as Dependant



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

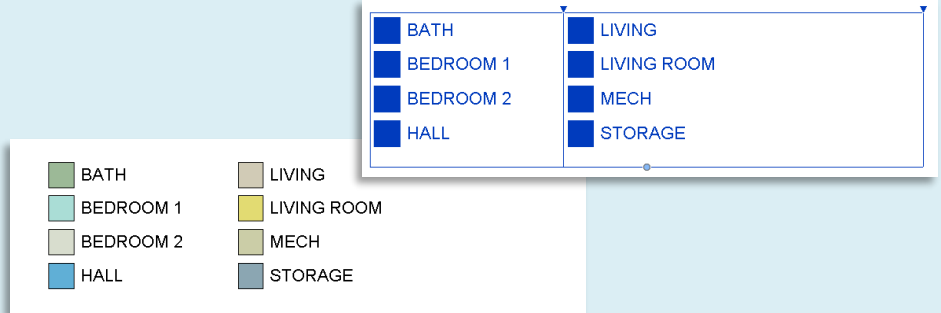
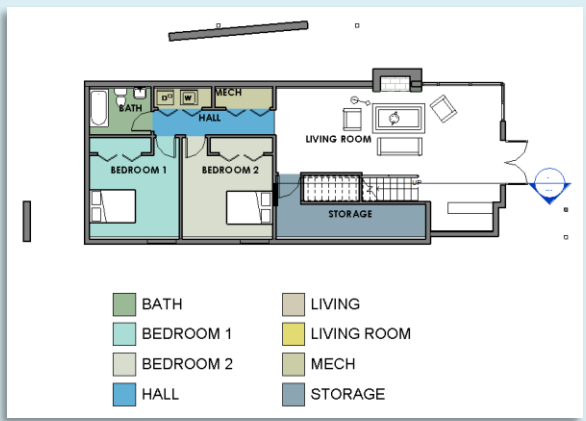
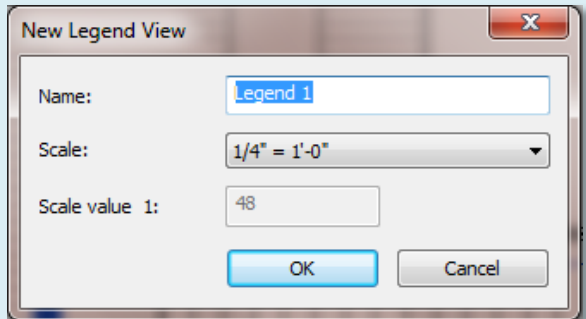
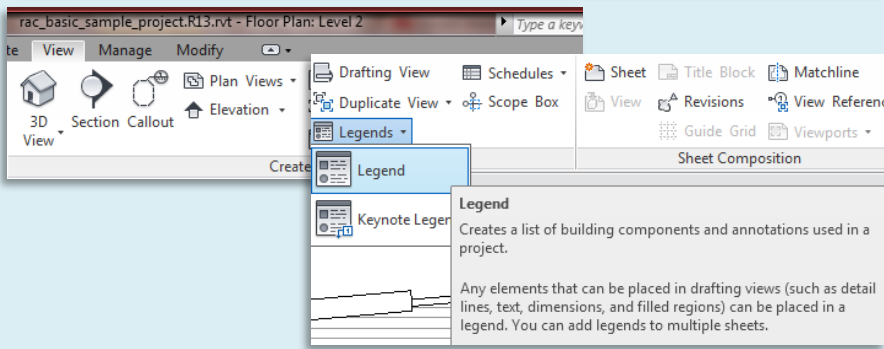
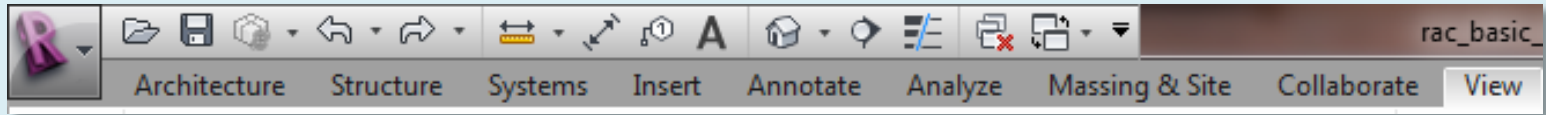
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Creating New Views - Legends

Quick Access Toolbar



- **Change Units**
- **Take a Tour**

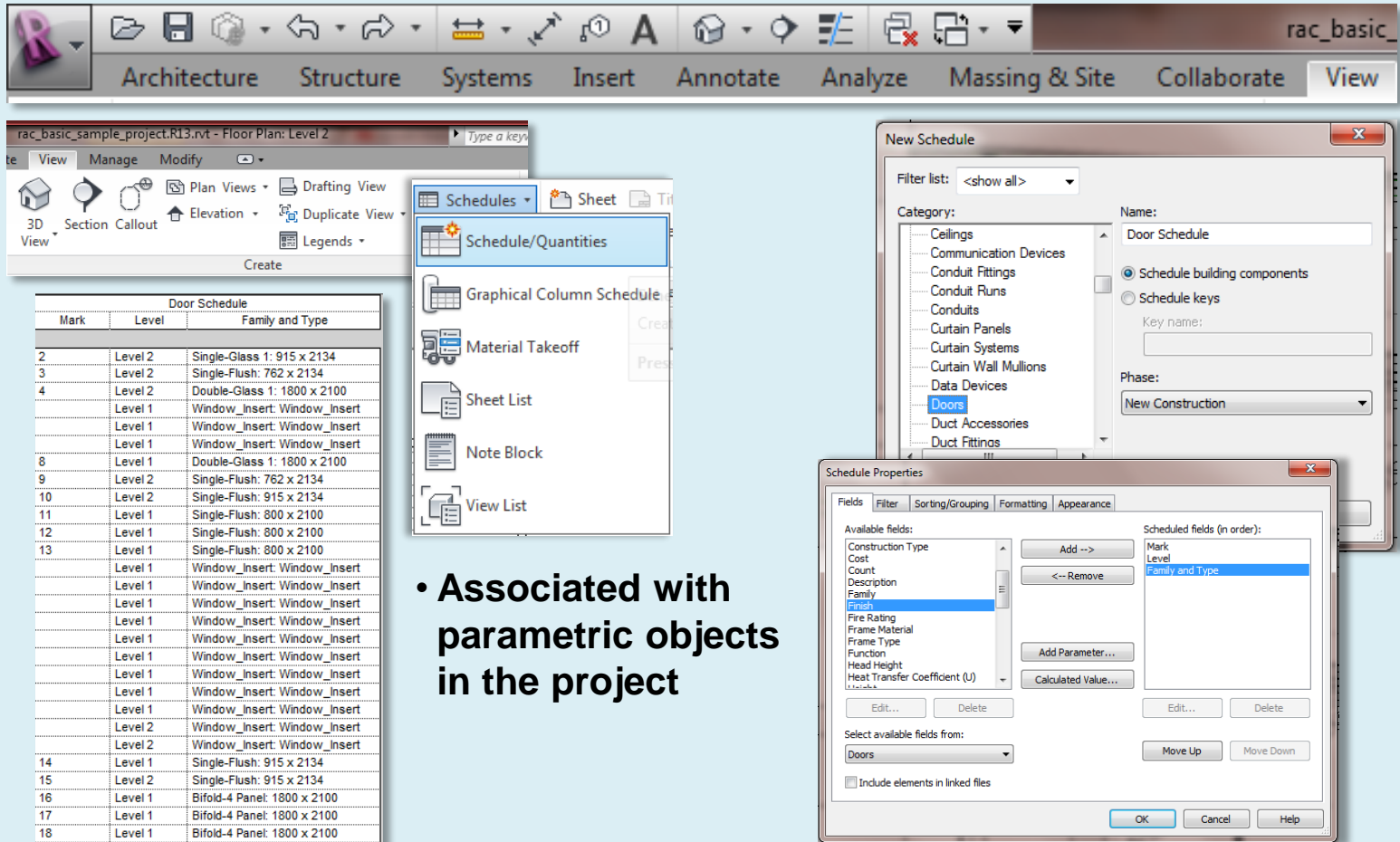
- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Creating New Views - Schedules

Quick Access Toolbar



RAC_Basic_Sample_Project.rvt

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

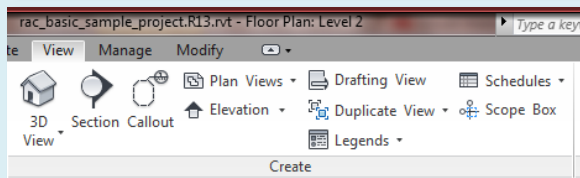
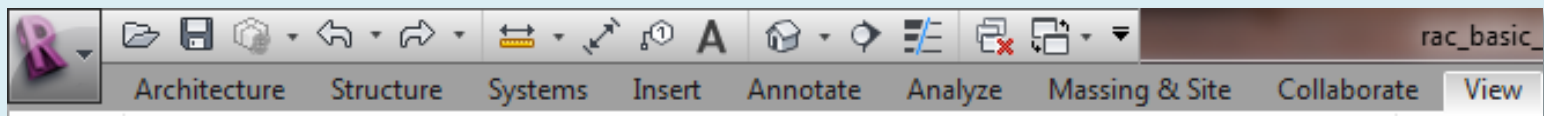
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

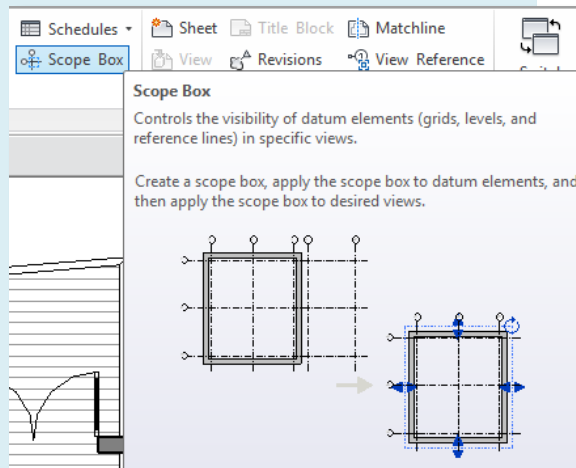
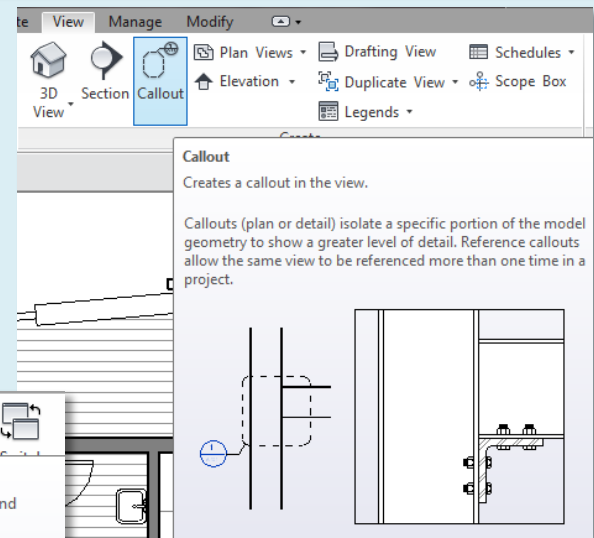
Wrap Up

Creating New Views – Scope Box

Quick Access Toolbar



- Controls the visibility of datum elements (grids, levels and reference lines) in specific views



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

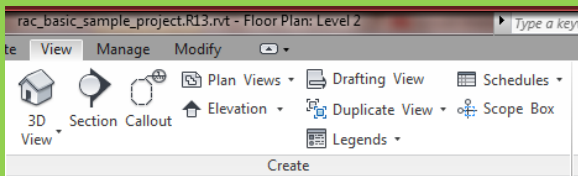
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Scavenger Hunt

RAC_Basic_Sample_Project.rvt



To describe the sample model identify and create as many unique views as you can find. (the scavenger hunt)

Group related views and place them on a sheet at the appropriate scale. A unique view is one that adds to the story and is not redundant.

Student Learning Objectives:

Upon successful completion of this assignment, the student will:

- Correctly Name a Revit File according to class standards
- "Tell a Story" through drawings by selecting appropriate views of a Revit Model.
- Logically group together related views and format these on a sheet in Revit.
- Understand the appropriate scale for various drawing types.

Assessment:

To evaluate the student's achievement of the learning objectives, the professor will:

- Evaluate the file for proper naming convention.
- Evaluate the number of stories told by the student.
- Evaluate the quality and completeness of the story told by the student.
- Evaluate the quality and formatting of view laid out on sheets in Revit.
- Evaluate the appropriate use of scale.
- Assess assignment for deadline submission / lateness
- Commend the student for initiative beyond the given the assignment.

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

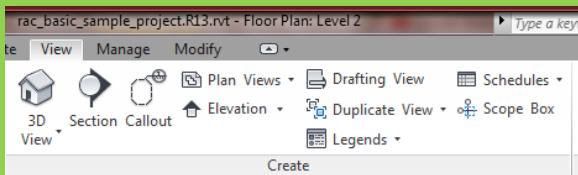
Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Scavenger Hunt

RAC_Basic_Sample_Project.rvt



To describe the sample model identify and create as many unique views as you can find. (the scavenger hunt)

Group related views and place them on a sheet at the appropriate scale. A unique view is one that adds to the story and is not redundant.

Assignment Requirements:

- | | | |
|-----------|---------|--|
| •Optional | SH-0.01 | Cover Sheet with Perspectives |
| •Optional | SH-0.02 | Existing Plans w/ Callout & Section Keys |
| •Required | SH-1.01 | Scavenger Hunt Sheet/Story 1 |
| •Required | SH-1.02 | Scavenger Hunt Sheet/Story 2 |
| •Required | SH-1.03 | Scavenger Hunt Sheet/Story 2 |

•Focus on Quality and not Quantity.

•Complete the three required sheets before you work on optional sheets.

•If an individual story requires more than 1 sheet, increment the numbering system using letters (SH-1.01a, SH-1.01b, SH-1.01c)

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

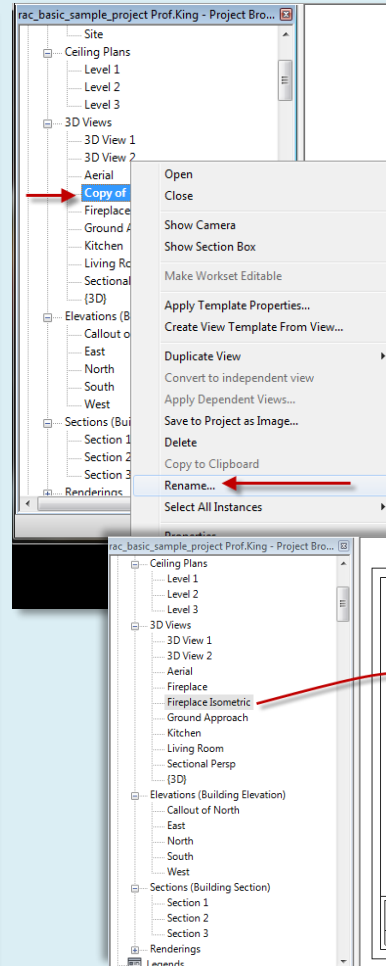
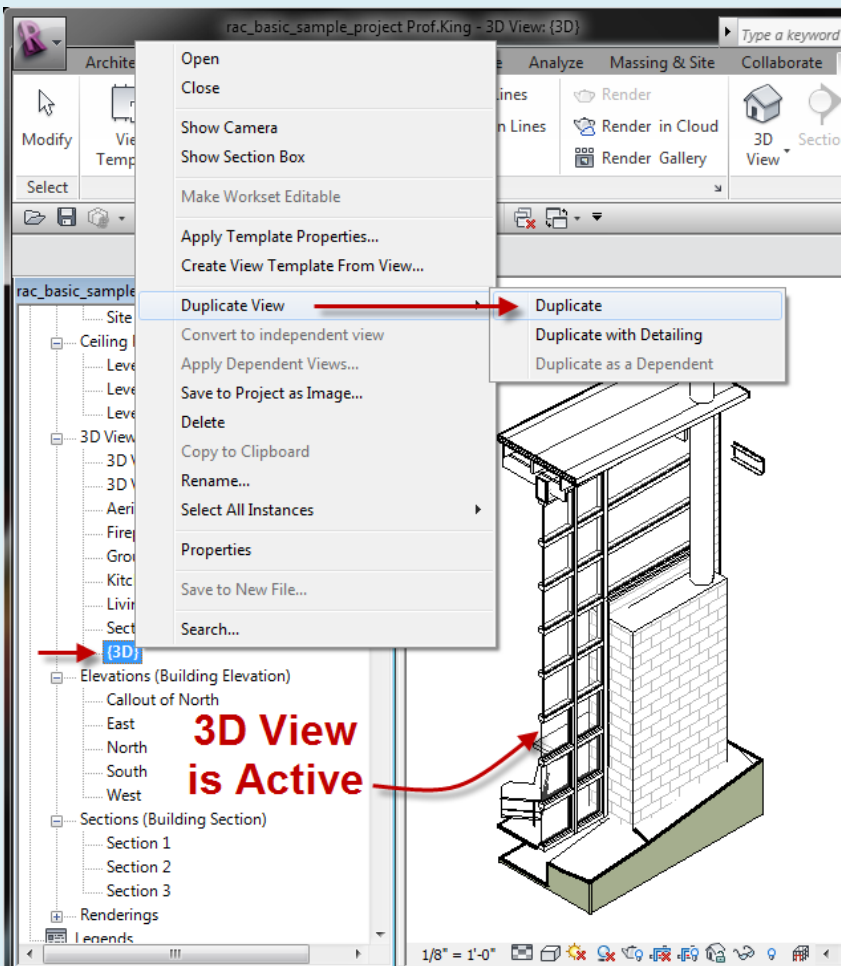
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Orient to View : Duplicate 3D view



- Default 3D View
- Orient to View
- Duplicate View
- Set Bounding Box
- Set Scale
- Place on Sheet

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

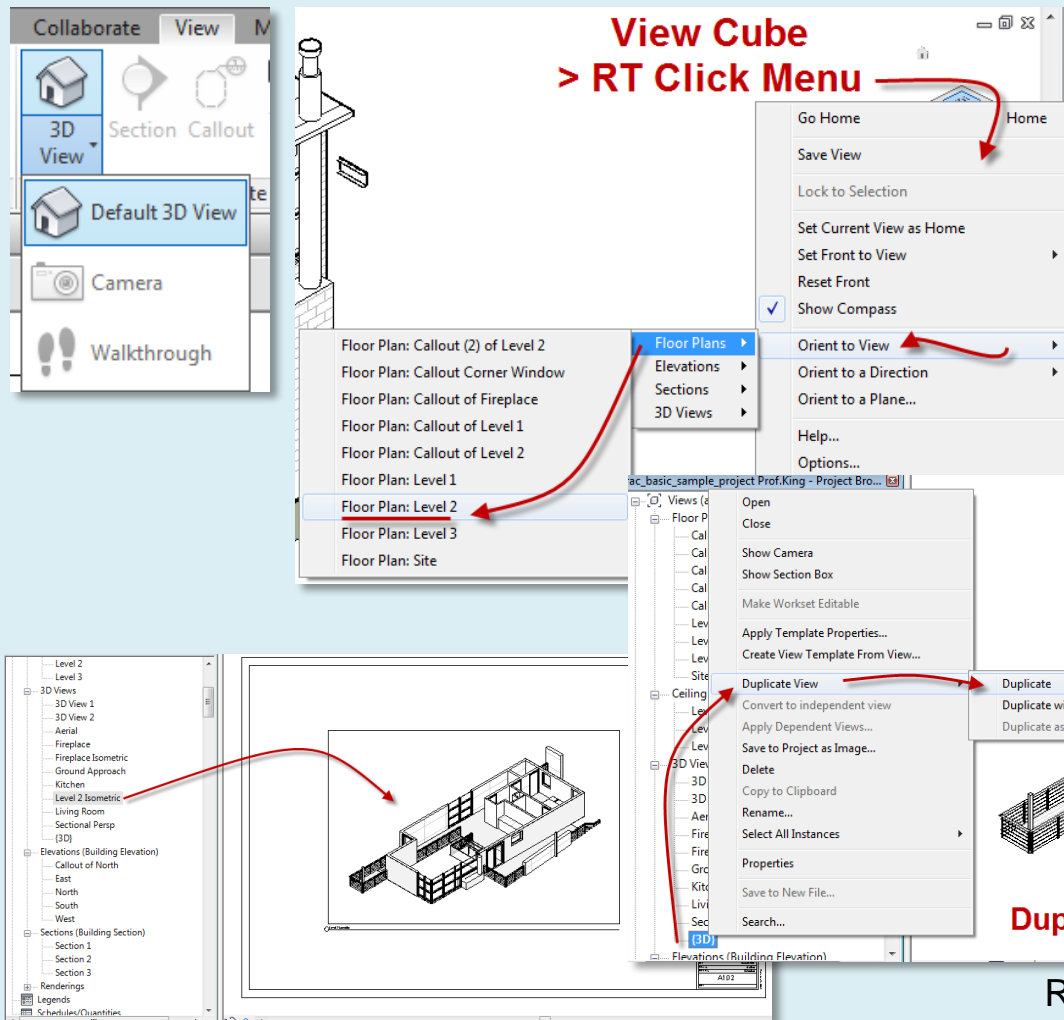
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Orient to View : Duplicate 3D view



- Default 3D View
- Orient to View
- Duplicate View
- Set Bounding Box
- Set Scale
- Place on Sheet

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

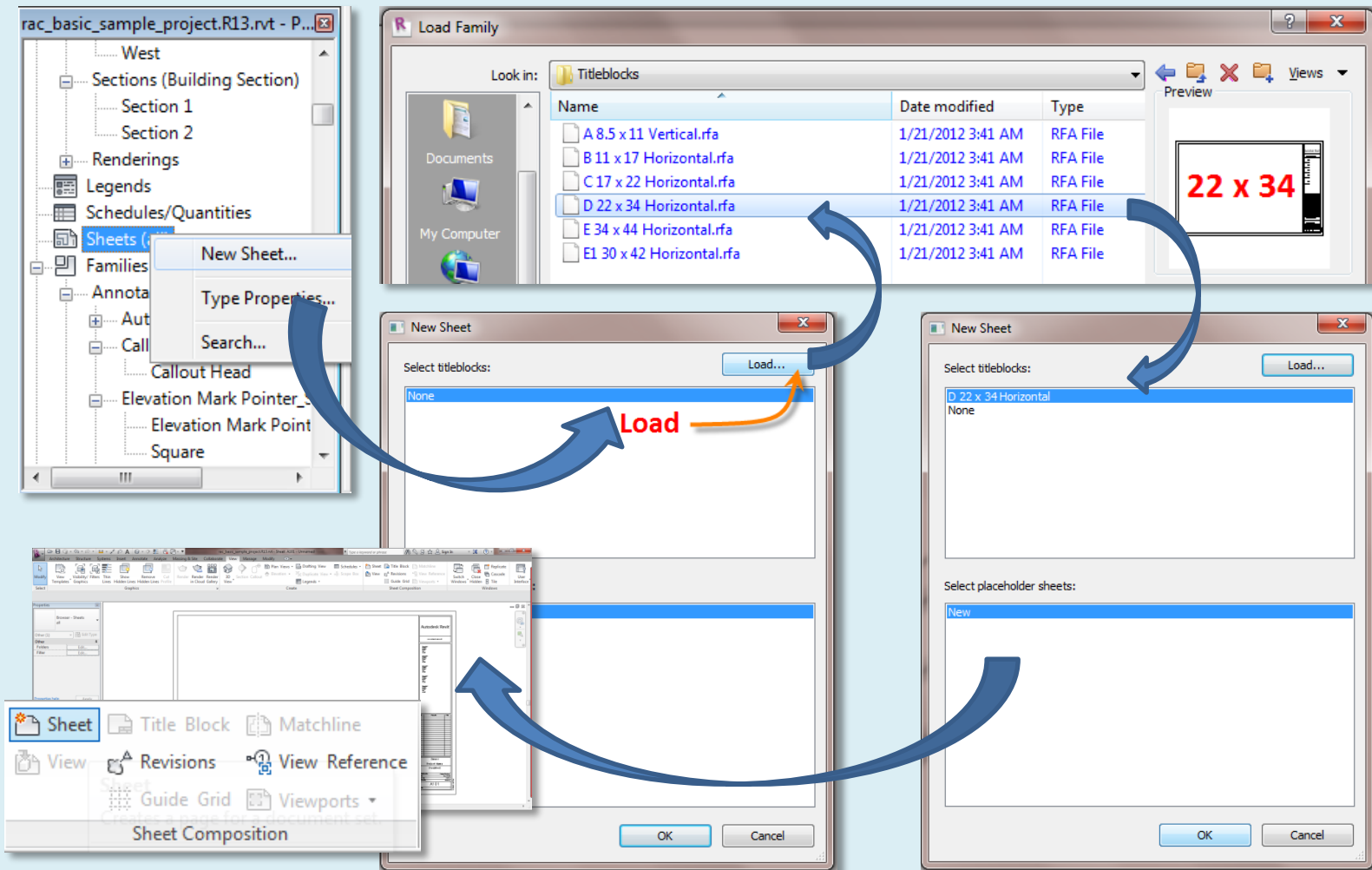
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Sheet Layout (create new sheet)



Day 01

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

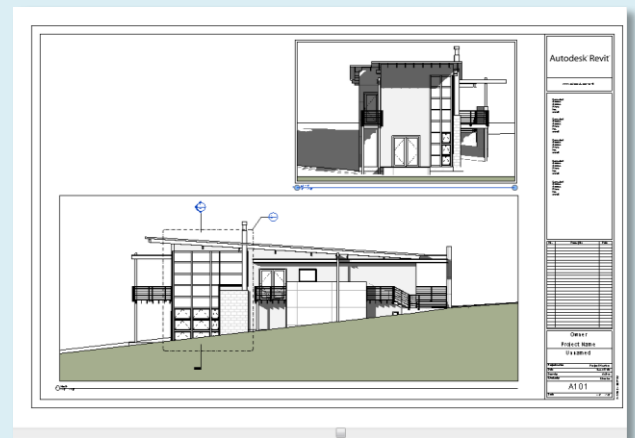
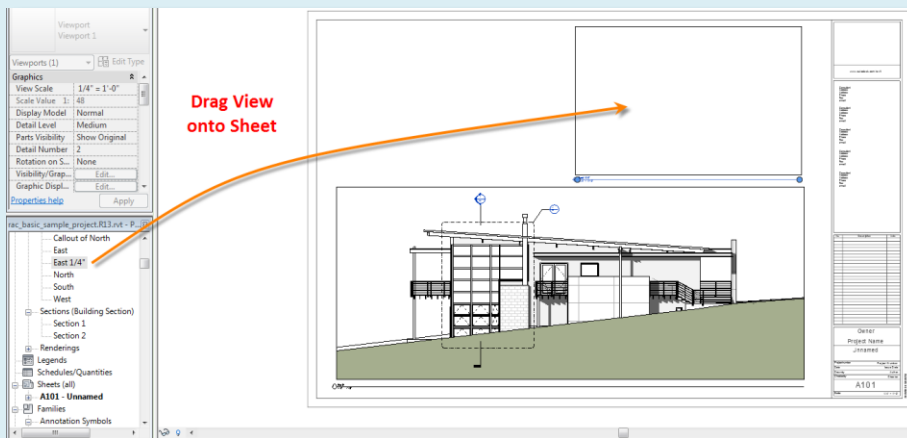
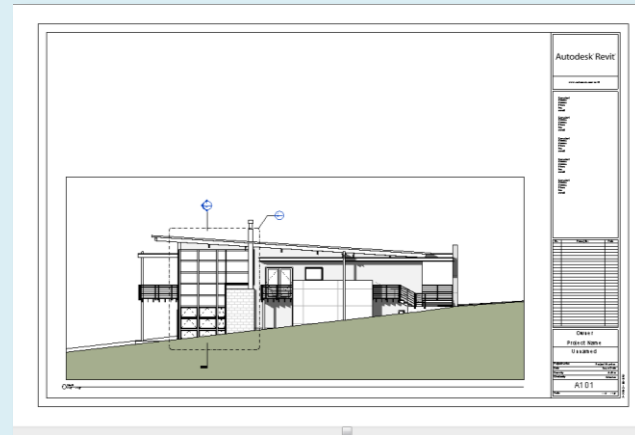
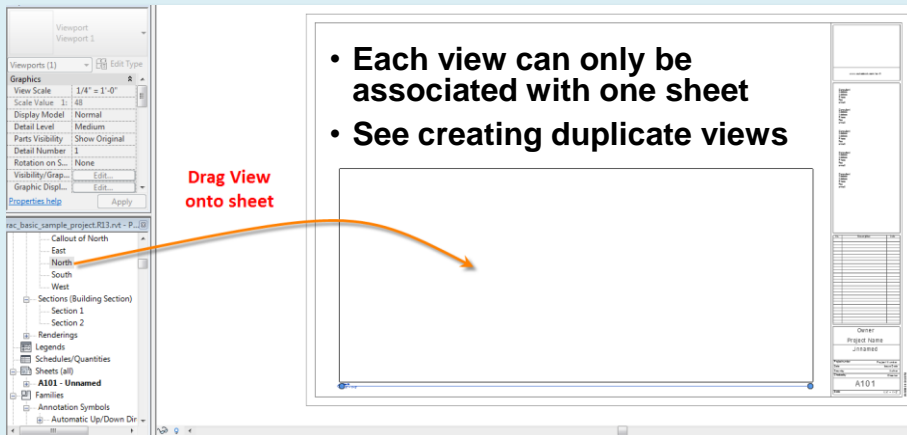
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Sheet Layout (drag named views onto sheet)



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

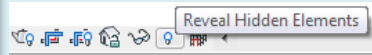
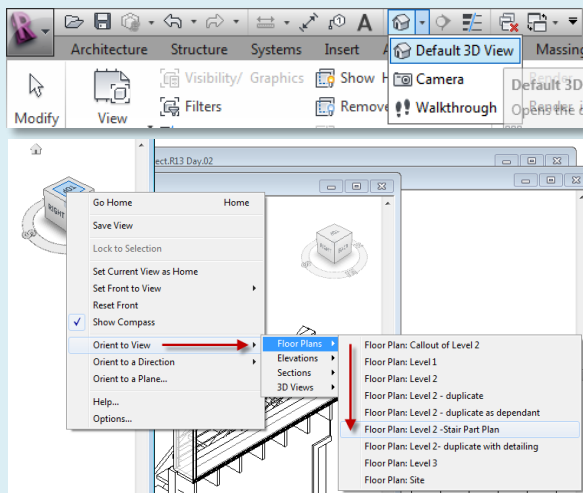
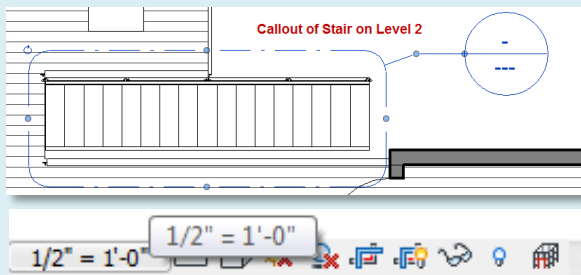
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Scavenger Hunt (Stair Sheet – Step 1)

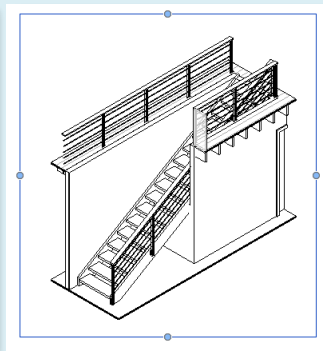
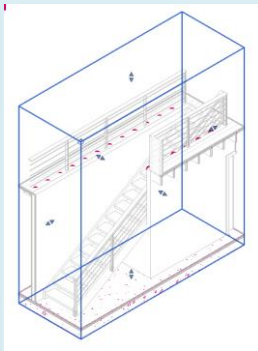
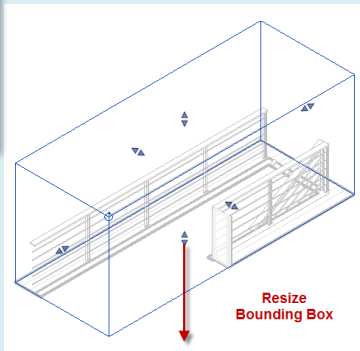


Stair Callout:

1. Callout of Stair on Level 2 (scale 1/4")
2. Go to View
3. Adjust Scale to 1/2" = 1'-0"

Isometric Detail

1. Create Isometric View
2. Default 3D View > Viewcube > Orient to View > Stair Callout
3. View Cube > Home
4. Reveal Hidden Elements & Resize
5. Set Scale to 1/2" to match the plan detail
6. Duplicate View and Name it "Stair Isometric"
7. Adjust Crop region of view



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

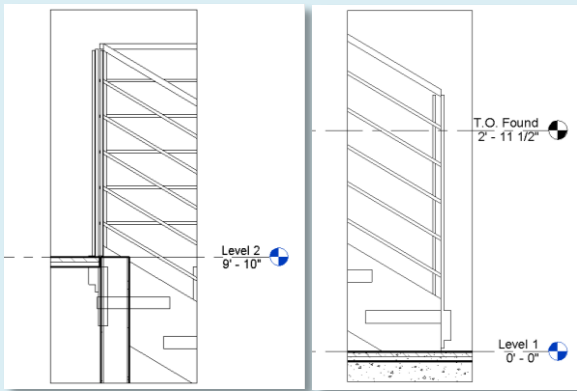
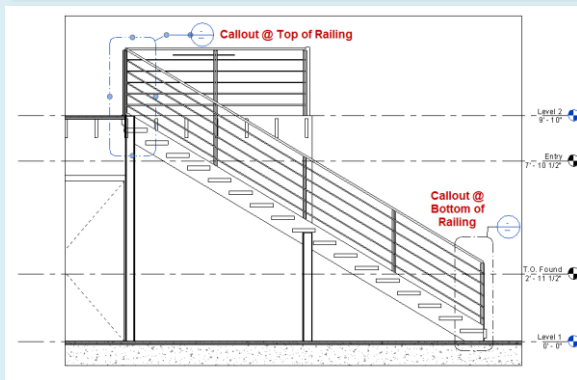
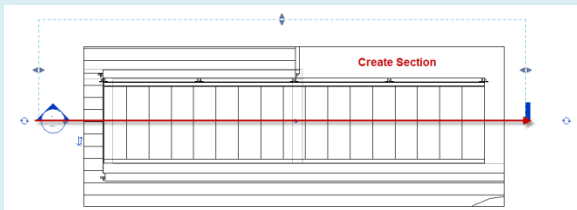
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Scavenger Hunt (Stair Sheet – Step 2)



Stair Section:

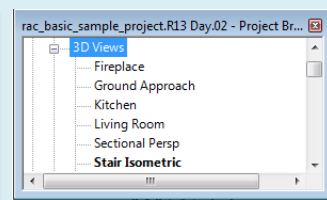
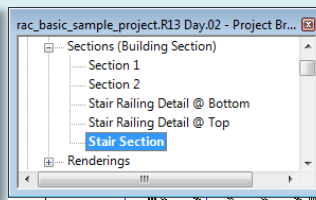
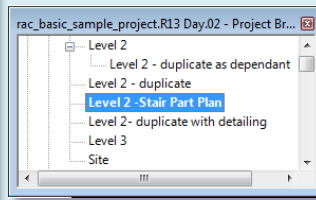
1. Section on stair callout (scale 1/2")
2. Go to View
3. Adjust Crop Regions of View

Section / Elevation Callouts

1. Callout of "Stair Railing Detail @ Top"
Scale will be set to 1" = 1'-0"
2. Callout of "Stair Railing Detail @ Bottom"
Scale will be set to 1" = 1'-0"

Notes

1. Names of Views in project Browser
 - Level 2 – Stair Part Plan
 - Stair Section
 - Stair Railing Detail @ Top
 - Stair Railing Detail @ Bottom
 - Stair Isometric



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

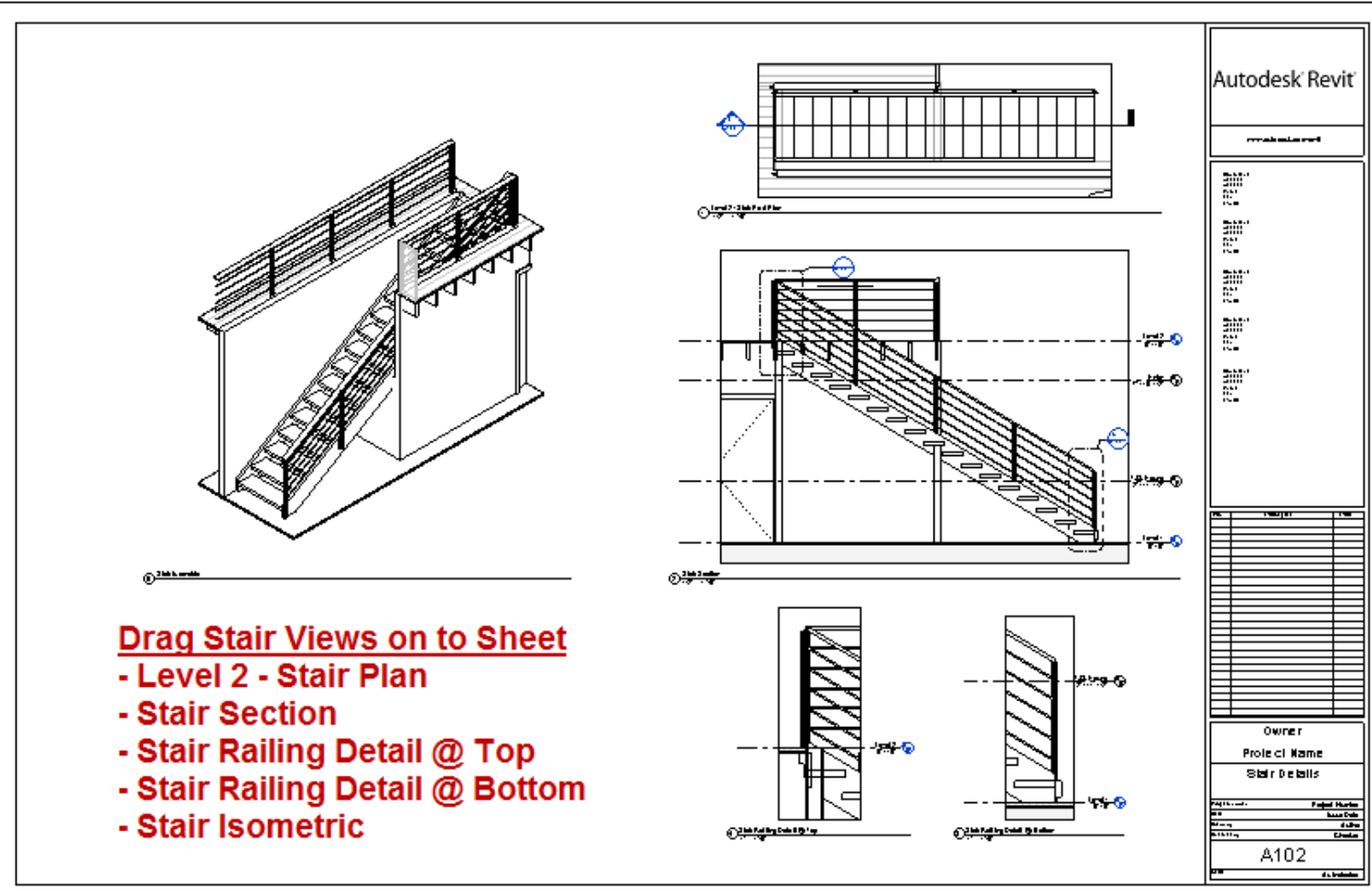
- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Scavenger Hunt (Stair Sheet – Step 3)



Drag Stair Views on to Sheet

- Level 2 - Stair Plan
- Stair Section
- Stair Railing Detail @ Top
- Stair Railing Detail @ Bottom
- Stair Isometric

Autodesk Revit

Project Name: [Blank]

Owner: [Blank]

Project Name: [Blank]

Sheet Details

Page: [Blank] of [Blank]

Project Name: [Blank]

Project Number: [Blank]

Author: [Blank]

Check by: [Blank]

Sheet Name: [Blank]

Sheet Number: [Blank]

A102

Sheet Name: [Blank]

Plot to PDF

Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

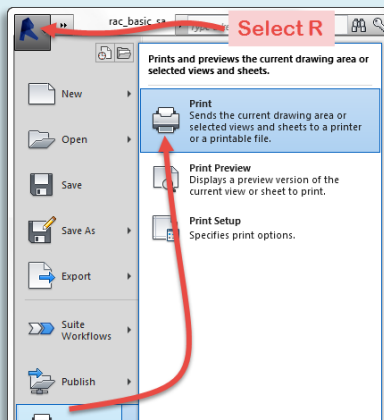
Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up



•Print

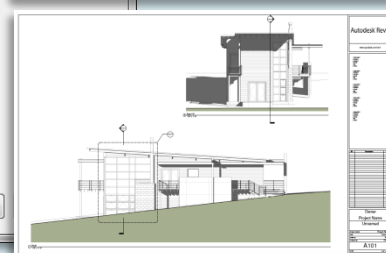
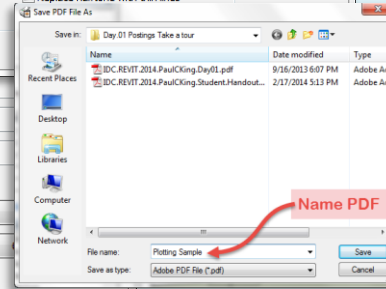
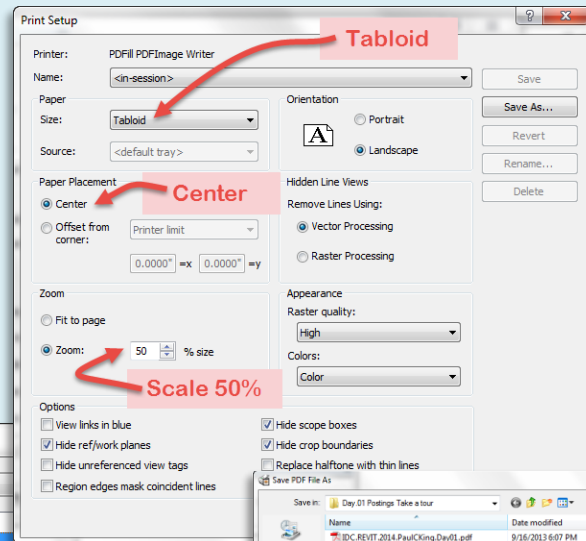
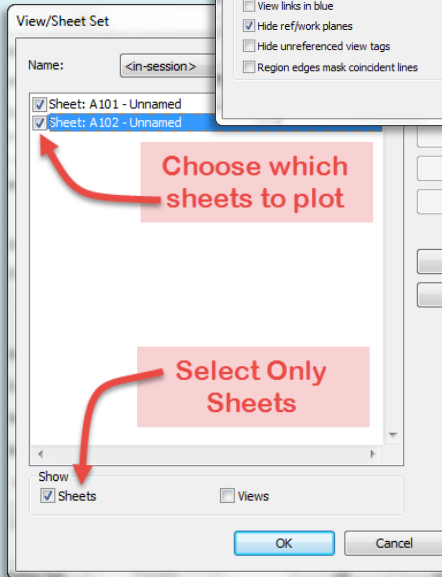
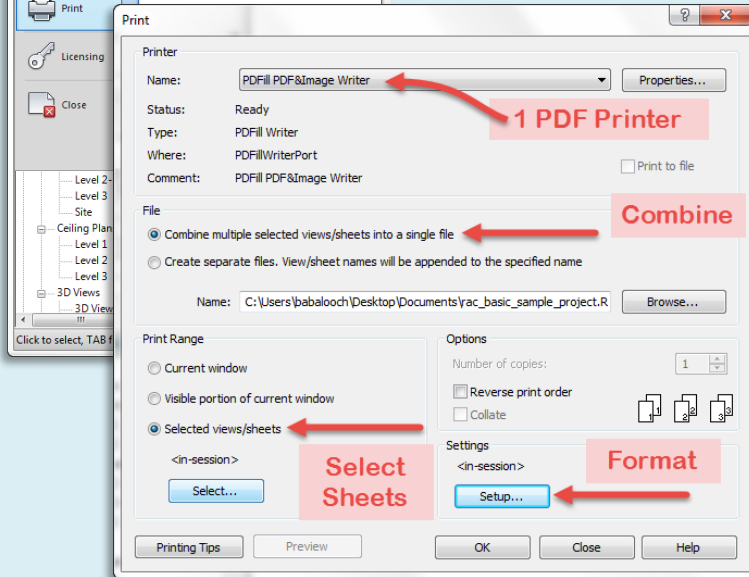
•Select a PDF Printer

•Select Multiple Sheets

•Combine into single PDF

•22 x 34 to Tabloid

•Center and Scale to 50%



Project Tour

- Change Units
- Take a Tour

Project Browser

- Floor Plans
- Ceiling Plans
- 3D Views
- Elevations
- Sections
- Renderings

Creating Views

- 3D Views
- Section
- Callout
- Plan Views
- Elevation
- Drafting view
- Duplicate
- Legends
- Schedules
- Scope Box

Scavenger Hunt

- Orient to View
- Sheet & Views
- Stair Sheet 1 2 3
- Plot to PDF

Wrap Up

Day 1 – Wrap up

- Units 1 = 1 foot
- Object Properties
- Project Browser
 - Views
 - Sheets
 - Families
 - Groups
- ZE = zoom extents
- Parametric Views
- Visual Styles
- Vocabulary terms
 - Parametric
 - Building Information Modeling
- Scavenger Hunt
 - Orient to View
 - Adding Sheets
 - Adding Views to Sheets
 - Plotting to PDF
- Homework
 - Upload completed scavenger hunt to blackboard by 11 pm the night before next class. Include a single PDF and your Revit file.
 - File must include course name, assignment description and your full name
Last.First.ScavengerHunt.pdf