# Autodesk Revit

## Certification

# Autodesk Certification

Specifically for Revit Architecture

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# Announcement

I’m now proudly certified!


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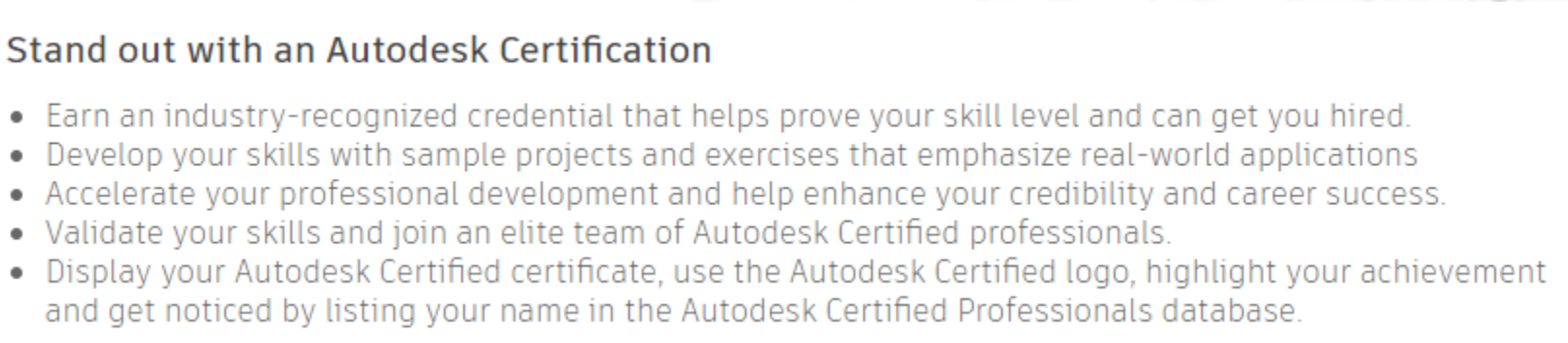
# What is certification?

An industry recognised **qualification**
'Valid' for **3 years**
Conducted via **Certiport**

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# Not covered in this video

## No answers!!!

Technically, it's **cheating**
We're **not allowed** to give them
This is **your** chance to be tested!

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# Covered in this video

When/why to get certified

What to expect/how it works

Some general tips and advice

What you should learn before

Other options for certification

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# When to get certified

1-2 years of **professional** experience
(using Revit)

Prior or during Revit **technical** work

Whilst **employed** (if possible)

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# Why to get certified

**Proof** of your ability!
**Employment** prospects
Not *that* many options
**Meet** like-minded people
**Learn** and **reinforce** skills
If you **teach** Revit (my reason!)

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# Why not to get certified

Bragging rights (it's for YOU)

Pay rises/convincing the boss

Leap frogging to BIM Management
'Clothes don't make the man'

If you don't use Revit

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# How the test works

Run/organised through software providers
Typically at their office, in a room with others

Typically **35** questions, **2 hours** to finish

You will use **Revit** for **most** questions

**Very few** will be multiple choice/worded

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# What model(s)?

Mostly **sample models**

Use these to train before the exam in either case

The test will typically use **modified versions** of them to suit a question or exercise's purpose

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# Tips and Advice

## Most important…

Read the questions carefully

Look out for ‘gotchas’

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# Examples of ‘Gotcha’s

Working with types vs. instances

Referring to the right types by their written names

Using the right types when creating something new

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# Tips and Advice

## Also important...

Mind unit rounding/formats

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# Tips and Advice

Answers will **prompt** for rounding/units;

e.g. XXX.X m

Typically no conversion is required
There aren't 'Gotcha's (I think!)

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# Tips and Advice

## Probably obvious

Don’t rush!

It isn’t a race

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# Tips and Advice

## Worth a reminder

Answer every question
You can come back to them

# Tips and Advice

## If at first you don't succeed

Don't just '**try again**'

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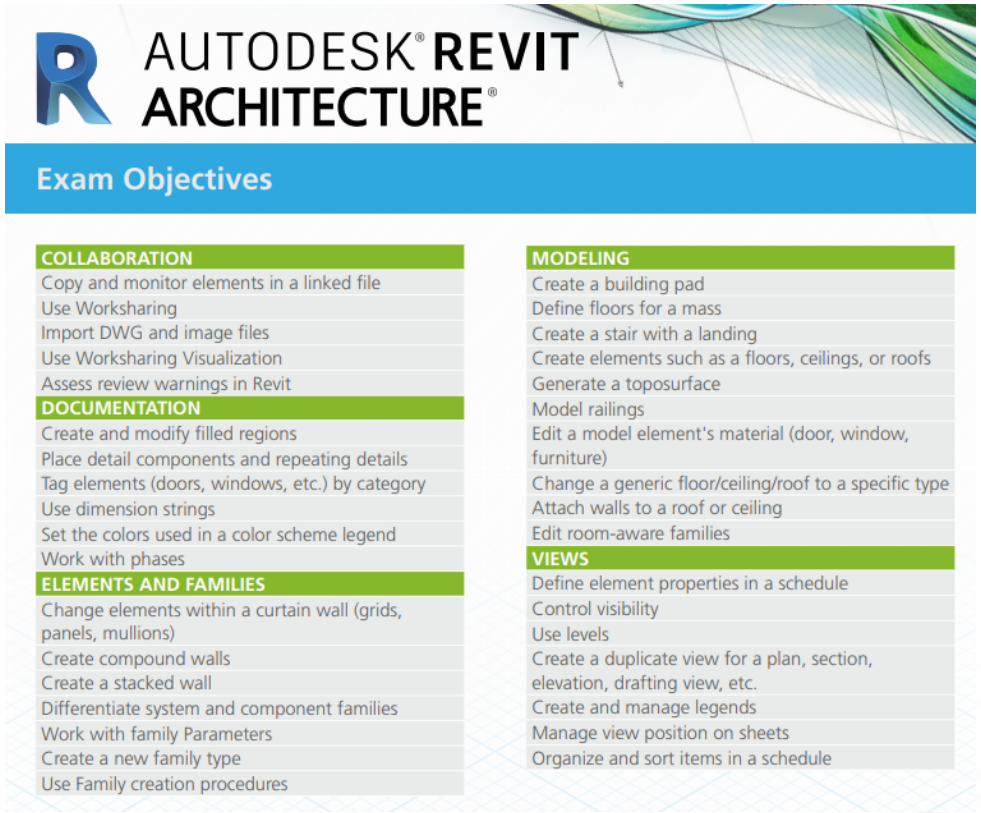
# Tips and Advice



AUTODESK® REVIT ARCHITECTURE®

Exam Objectives

| COLLABORATION |
| --- |
| Copy and monitor elements in a linked file |
| Use Worksharing |
| Import DWG and image files |
| Use Worksharing Visualization |
| Assess review warnings in Revit |
| **DOCUMENTATION** |
| Create and modify filled regions |
| Place detail components and repeating details |
| Tag elements (doors, windows, etc.) by category |
| Use dimension strings |
| Set the colors used in a color scheme legend |
| Work with phases |
| **ELEMENTS AND FAMILIES** |
| Change elements within a curtain wall (grids, panels, mullions) |
| Create compound walls |
| Create a stacked wall |
| Differentiate system and component families |
| Work with family Parameters |
| Create a new family type |
| Use Family creation procedures |

| MODELING |
| --- |
| Create a building pad |
| Define floors for a mass |
| Create a stair with a landing |
| Create elements such as a floors, ceilings, or roofs |
| Generate a toposurface |
| Model railings |
| Edit a model element's material (door, window, furniture) |
| Change a generic floor/ceiling/roof to a specific type |
| Attach walls to a roof or ceiling |
| Edit room-aware families |
| **VIEWS** |
| Define element properties in a schedule |
| Control visibility |
| Use levels |
| Create a duplicate view for a plan, section, elevation, drafting view, etc. |
| Create and manage legends |
| Manage view position on sheets |
| Organize and sort items in a schedule |

Check the **objectives** on Certiport's website
(google 'exam objective domains')

https://certiport.pearsonvue.com/Educator-resources/Exam-details/Objective-domains?ot=collapseACP

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# What to Learn Prior

All **basic** and **fundamental** techniques at least

**Modelling** as well as **annotation**

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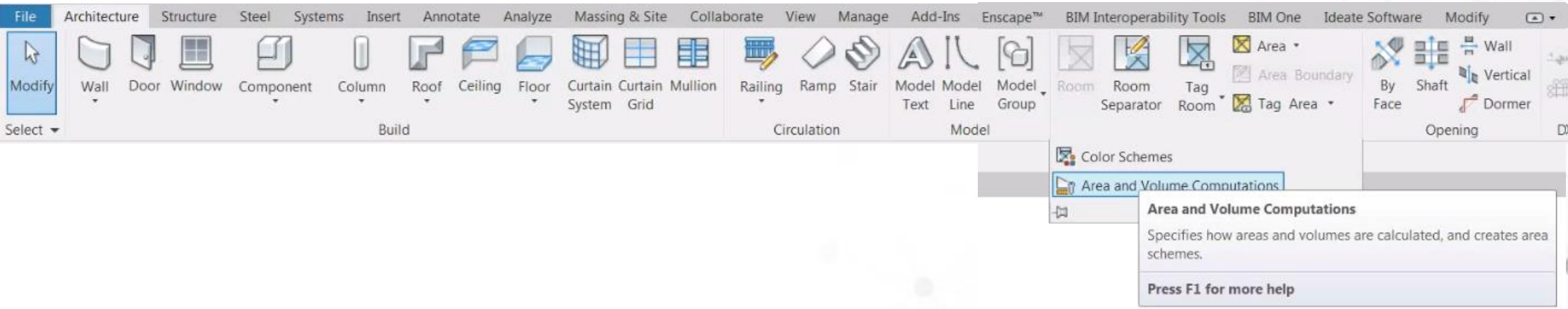
# What to Learn Prior




Know all of the ribbons

Even **nested tools**

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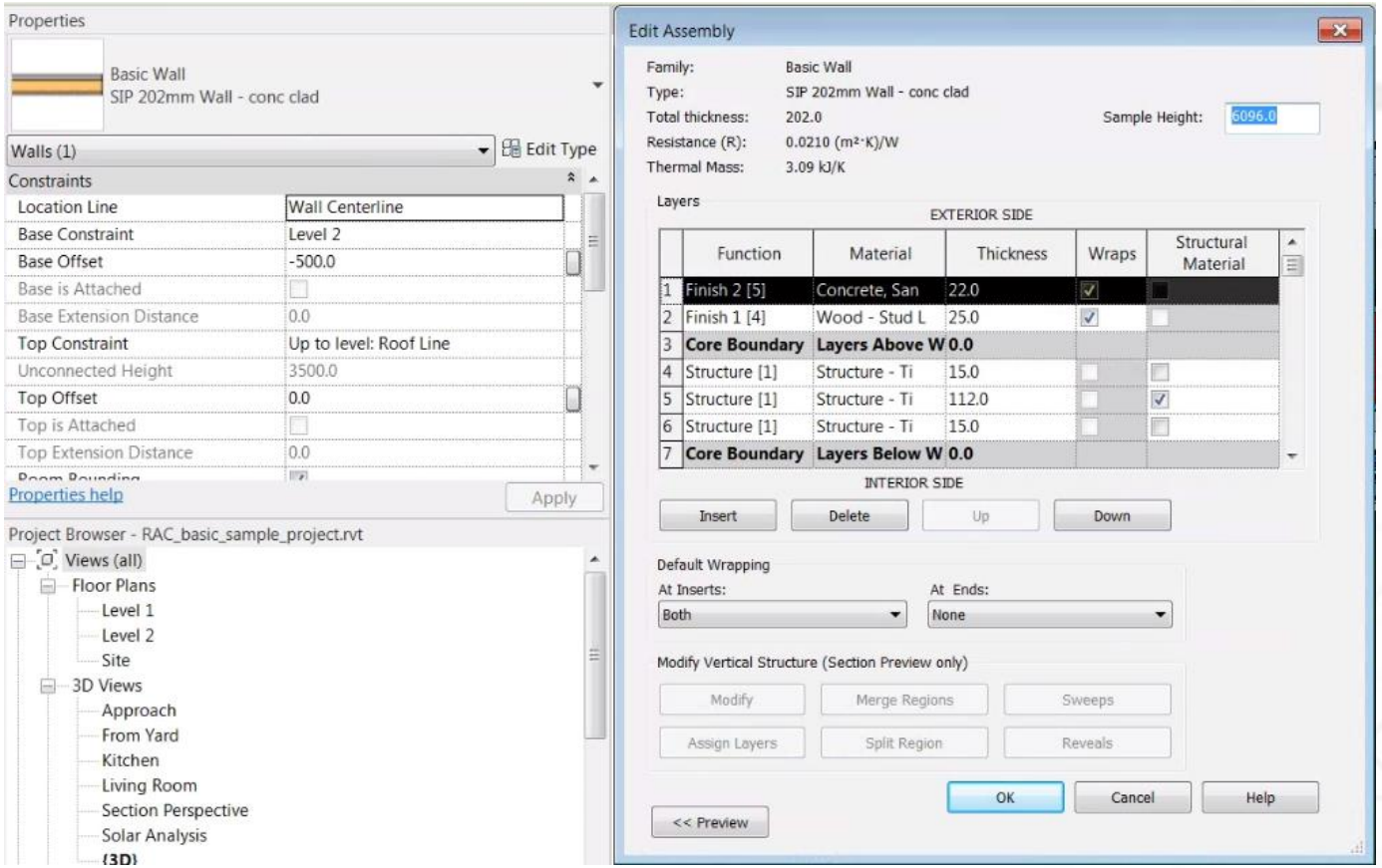
# What to Learn Prior




**Type** creation and modification

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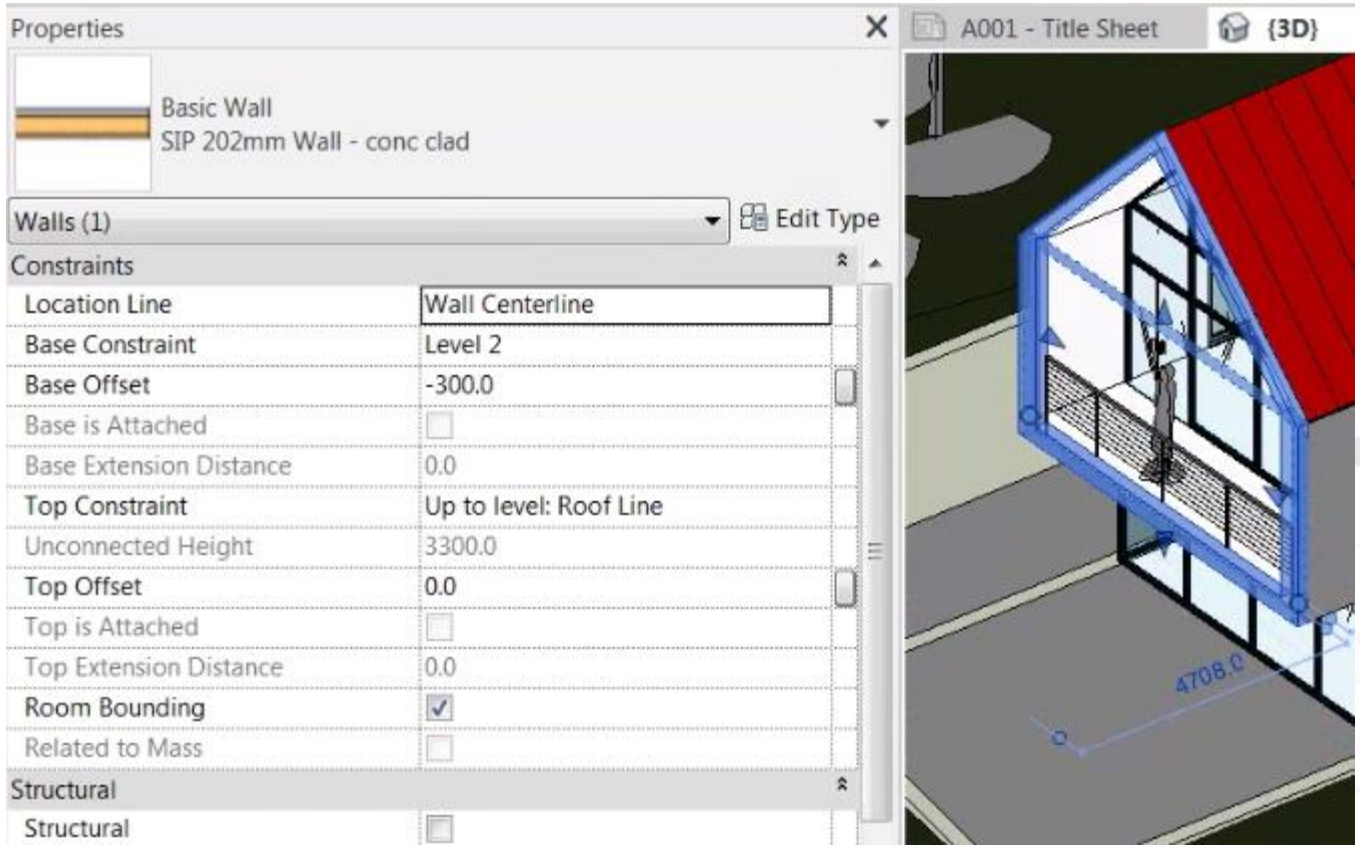
# What to Learn Prior




**Instance** creation and mofication

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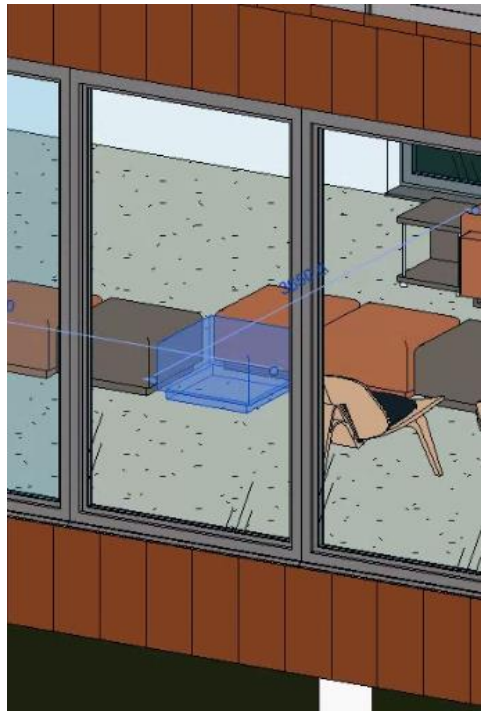
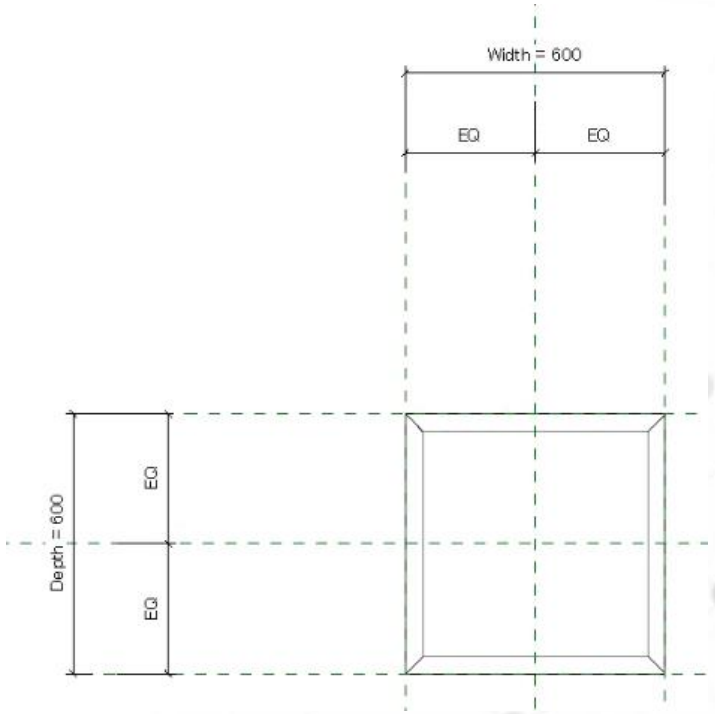
# What to Learn Prior






Editing and updating
Loadable families

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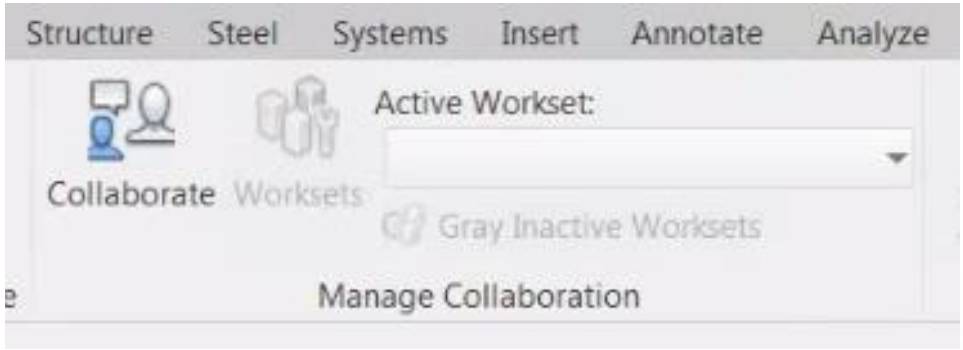
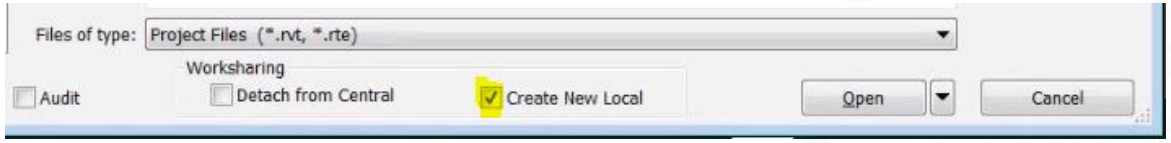
# What to Learn Prior




Worksharing and how to use/review Worksets

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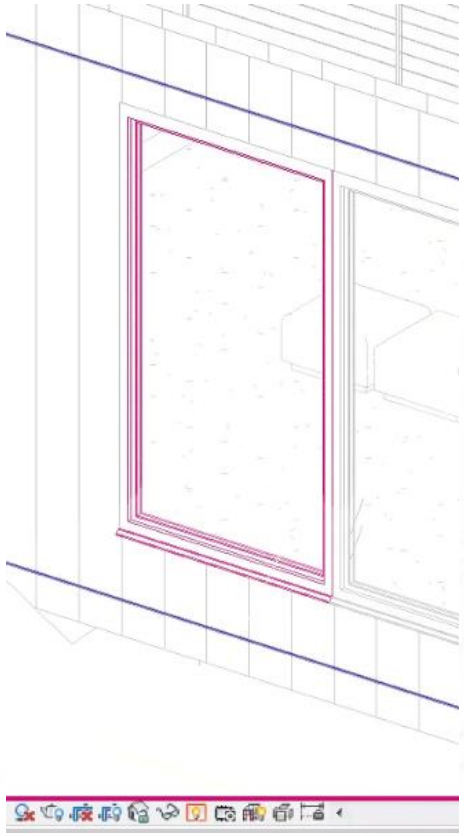
# What to Learn Prior



Visibility and troubleshooting why something isn't visible

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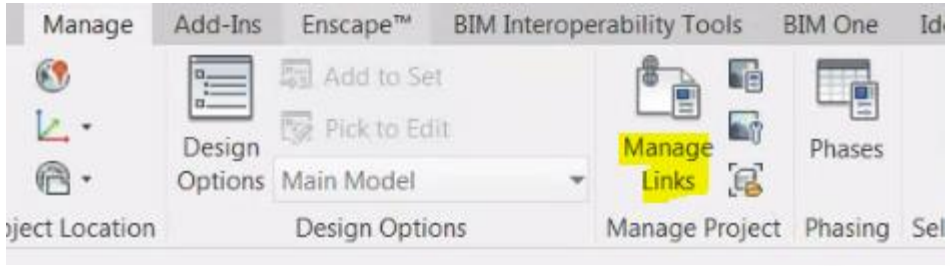
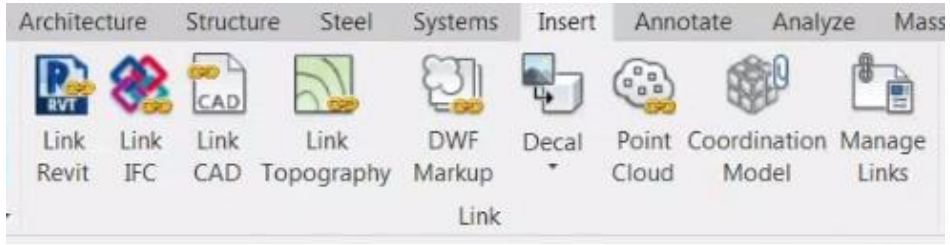
# What to Learn Prior




Managing **Revit** and **DWG** links

**Copy/monitor** functions

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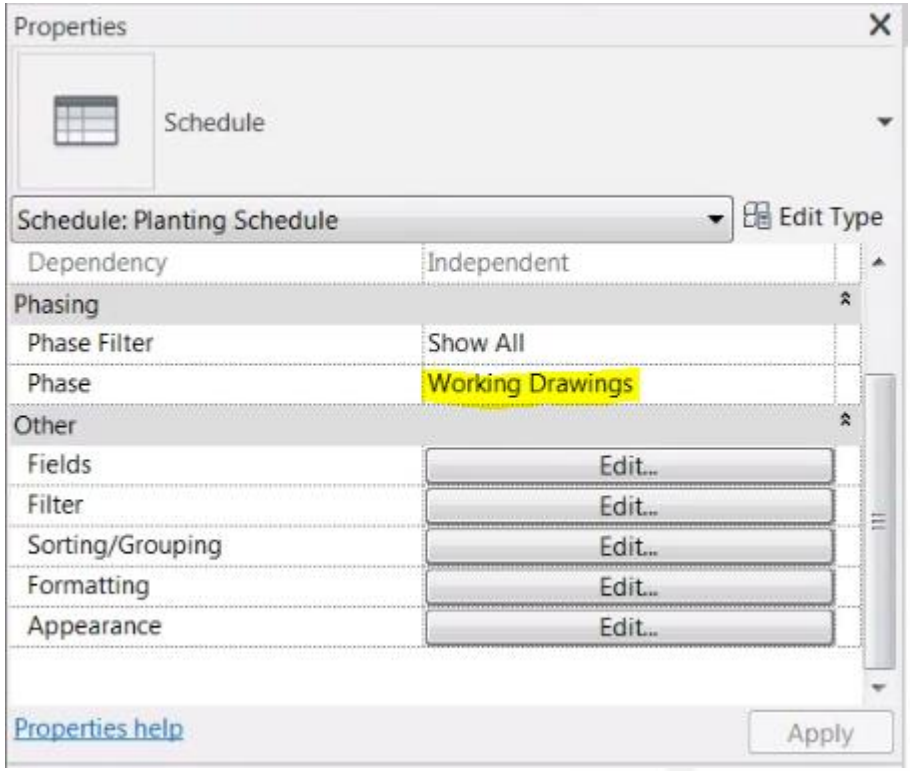
# What to Learn Prior




## Schedules

- Creation
- Filtering
- Sorting
- Counts/totals

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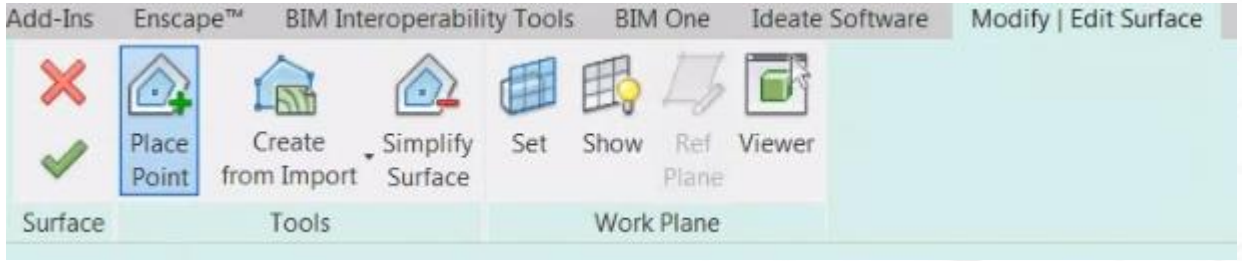
# What to Learn Prior


Massing and topography generation

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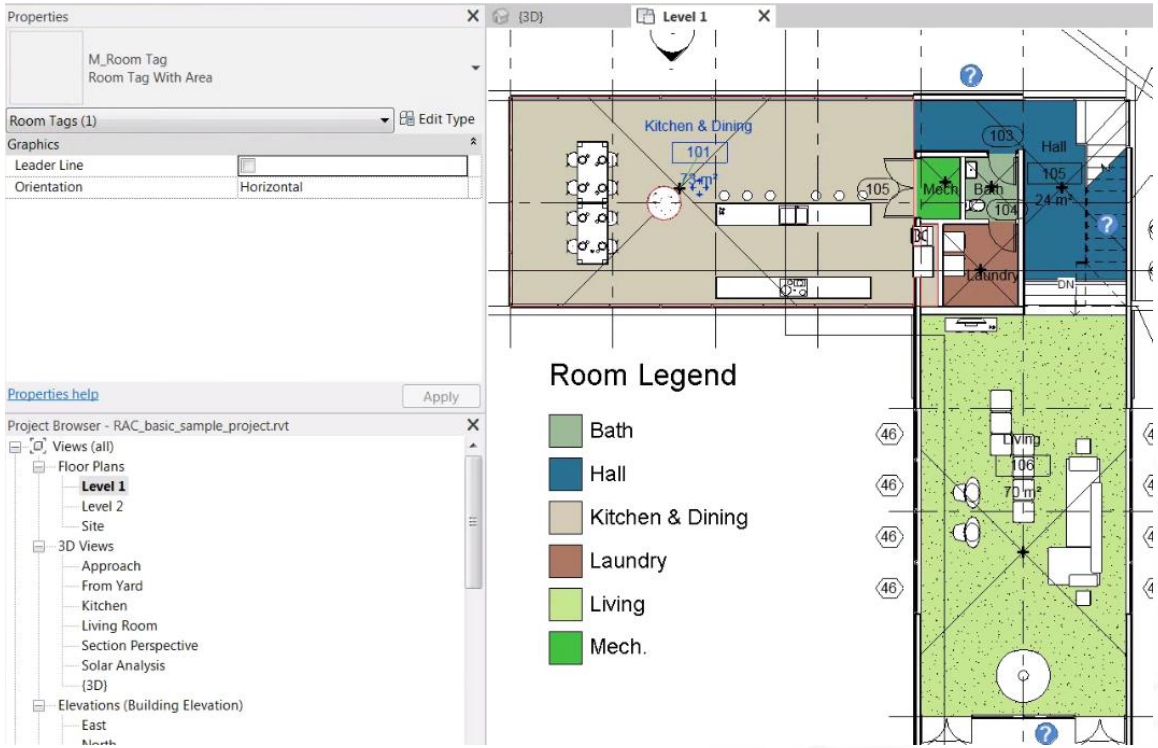
# What to Learn Prior




## Annotating

- Dimensions
- Tagging
- Detail families
- Colour schemes
- Legends

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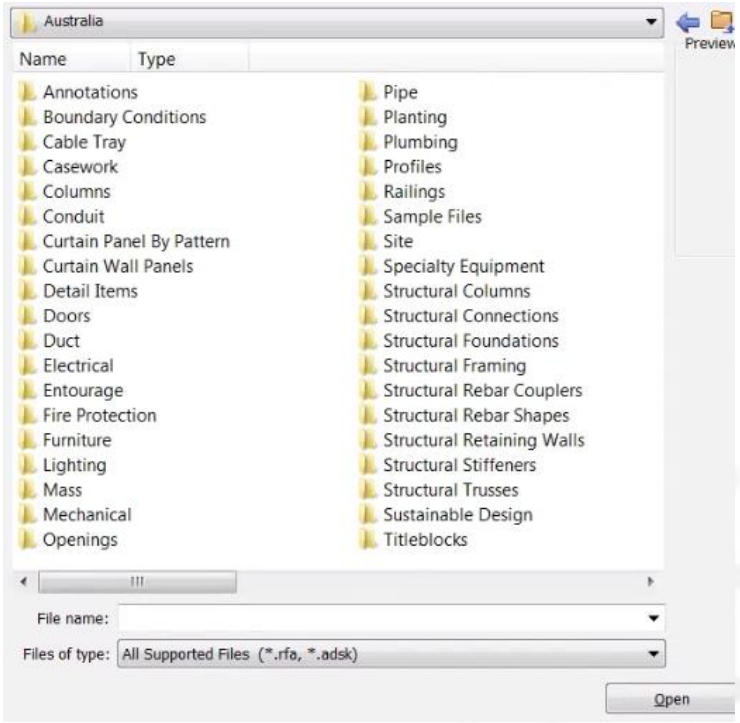
# What to Learn Prior




C:\ProgramData\Autodesk\RVT 20XX\Libraries\Australia

Basic layout of the **default** Autodesk Library (Imperial or Metric)

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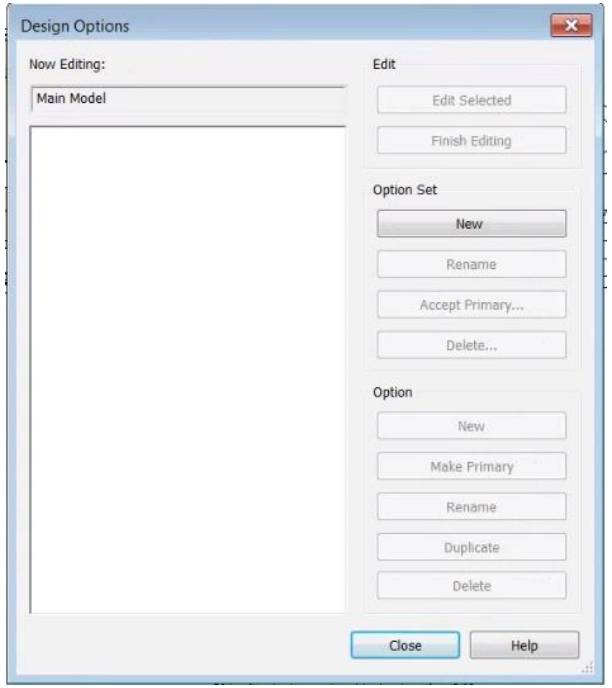


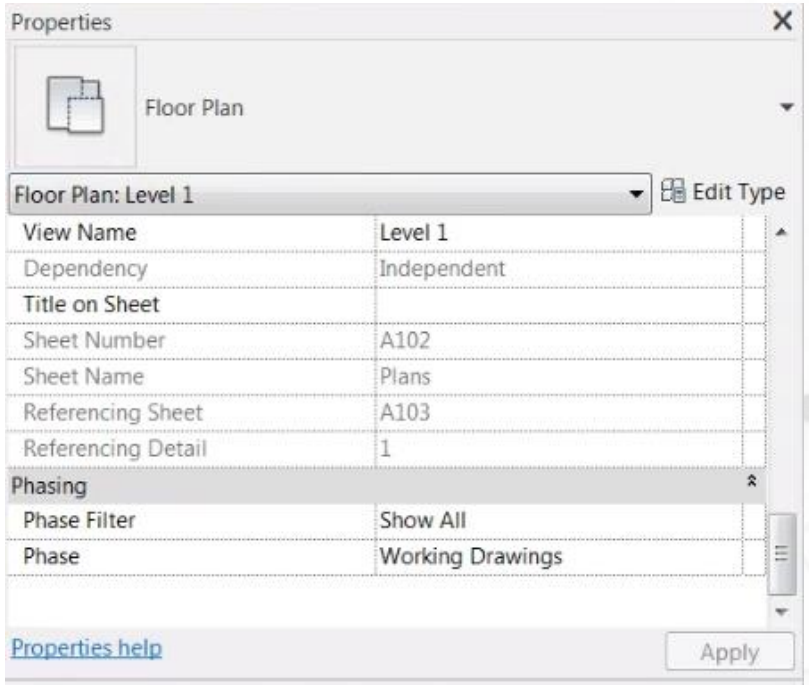


Design options, phasing, materials and family/project parameters

(more advanced)

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# Other Options

## Knowledge Smart

Not formal, but similar format

Good for hiring assessments

# Other Options

## BIMCreds (Building Smart)

Formal, multiple choice

Focused on BIM Management

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# Other Options

Linkedin Learning (+Lynda.com)

Wide variety of courses

Quality typically decent

Good for self-education/testing

# Other Options

## Tertiary Studies

Some institutes offer
BIM Management **courses**

**Select carefully – quality varies**

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# Thanks for watching

I hope this helped

Leave any queries below!

To those taking the test;

**Good luck**, and *relax* ☺

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# Autodesk Revit

## Certification