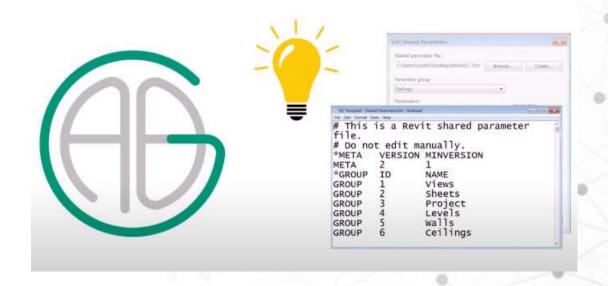




## MASTERING REVIT KEYNOTES

BY THE AUSSIE BIM GURU

## Revisiting the essentials





## Keynotes

Guide for Users, by a User!



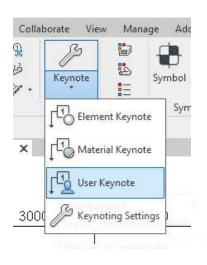
#### What we'll cover

Types of Keynotes
Uses for keynotes
Managing keynote files
Setting up keynote legends
Tag limitations

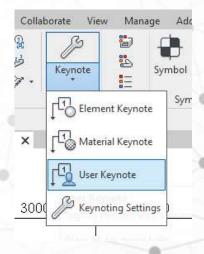


## Types of Keynotes

Keynotes come in three forms



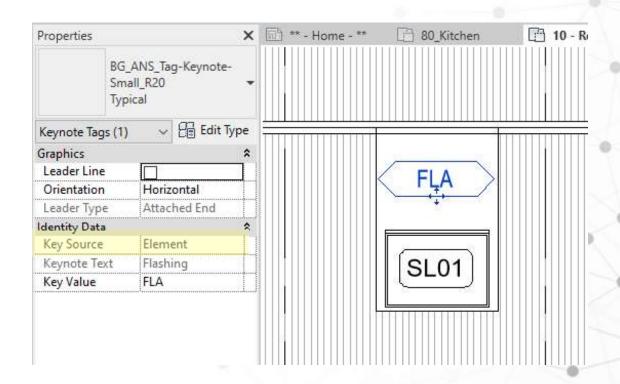
Element Material User





## Choose carefully

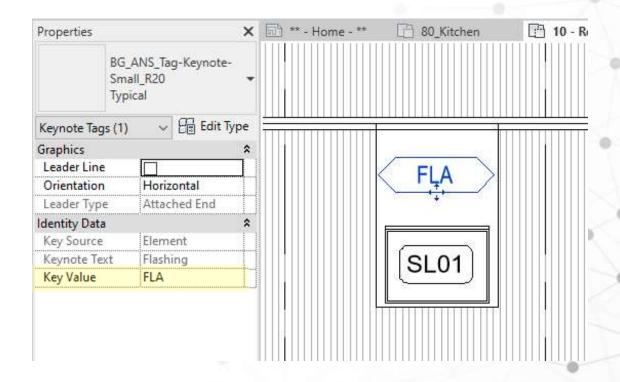






## Change carefully



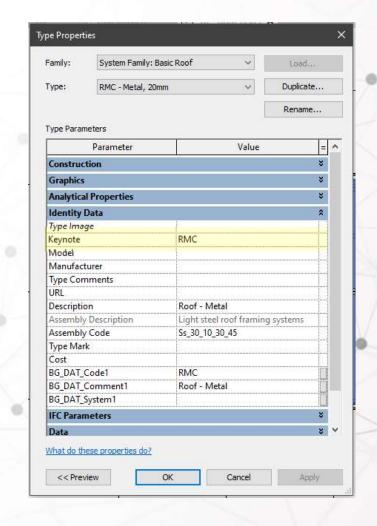




## Element Keynotes

Most loadable and system famlies in Revit will have a **Keynote** field available as a type parameter.

This is the **Element Keynote**.

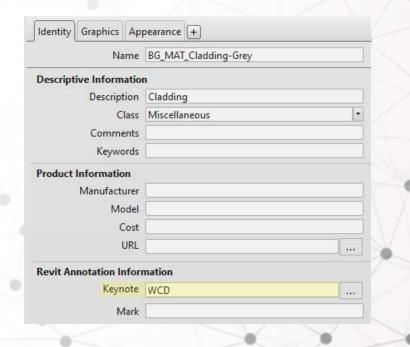




## Material Keynotes

Materials have a property in their identity tab.

This is the **Material Keynote**. It tags the first thing it sits on top of, by material.

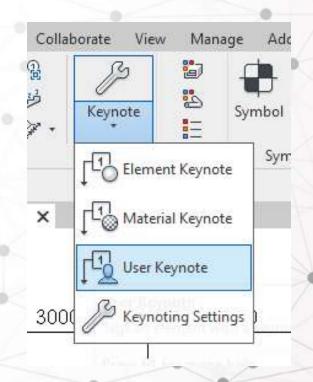




## User Keynotes

A **user keynote** can be used to manually associate a tag with an element, but call on any keynote available to us.

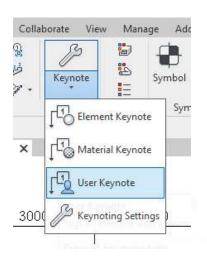
Use only when absolutely necessary, e.g. typical notes.



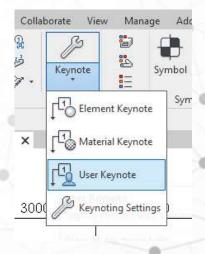


## Types of Keynotes

Let's briefly explore all three types



Element Material User



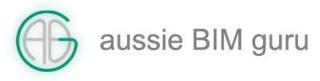


## Uses for keynotes

A keynote is simply

A code with an associated description

It can ultimately be whatever we need it to be, as long as it suits this limitation



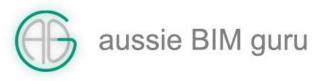
## Uses for keynotes

Common uses for keynotes are

Element codes

Specification reference codes

Classification system codes



## Uses for keynotes

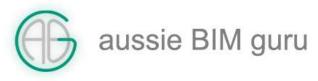
In my opinion, the best use for them is

Element codes

Specification section codes

Classification system codes

E.g. F.CHA-01 Chair - Meeting



## My coding convention

#### X.YYY-ZZ

F – furniture

J – joinery

I – internal finish

E – external finish

X – services

S - structure



## My coding convention

X.YYY-ZZ

3 characters, describe the object

F.CHA - chair

F.TAB – table

E.PNT - paint

Etc.



## My coding convention

#### X.YYY-ZZ

2 numbers, describe the variant
F.CHA-01 – chair, meeting
F.TAB-01 – table, meeting
E.PNT-01 – paint, general walls
Etc.



#### Machine readable

X.YYY-ZZ

X.YYY-ZZ

X.YYY-ZZ

X.YYY-ZZ

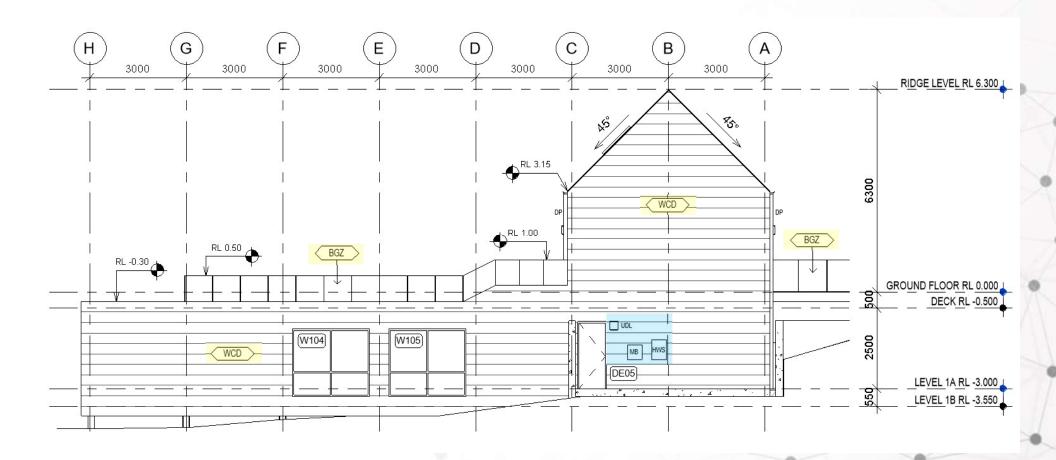


#### Filterable

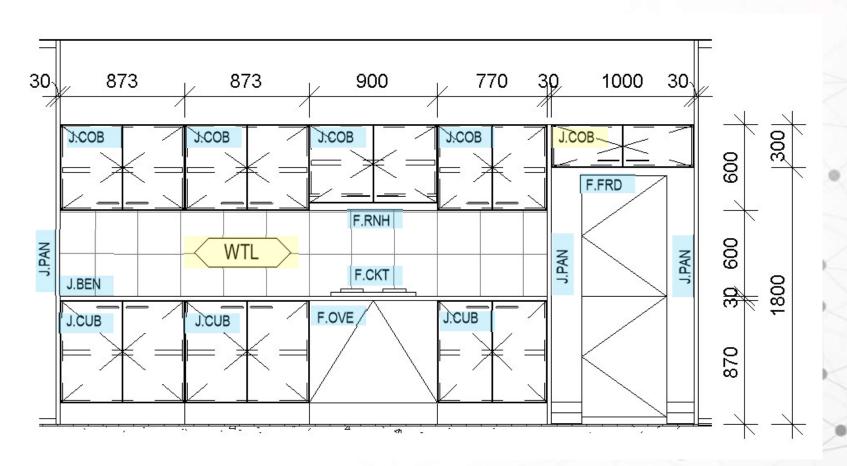
X.YYY-ZZ

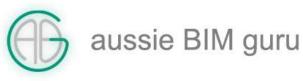
Keynote begins with F
Keynote ends with 01
Keynote contains CHA-





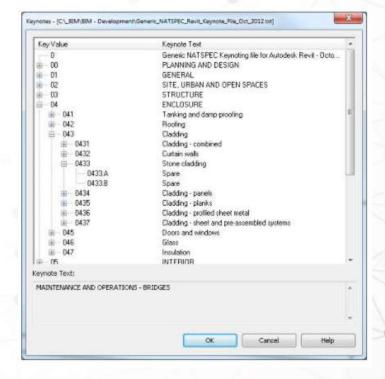






## Specification references







#### Why not specification references

Standards change, handles don't

Differs by project/client

Spec writers are usually not BIM authors

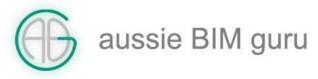
Keynote legend not utilised

Typically not tagged



### Classification codes

Group	Element/Code	Systems/Codes
20	Frames (EF20_10)	Prefabricated framed and panelled structures
		(Ss_20_10_60)
		Prefabricated room systems
		(Ss_20_10_65)
		Composite pods
		(Ss_20_10_65_15)
		Concrete pods
		(Ss_20_10_65_17)
25	Walls (EF_25_10)	Prefabricated metal wall systems
	60 7 70 100 100	(Ss_25_12_85_60)
		Prefabricated glass block wall systems
		(Ss_25_13_33_64)

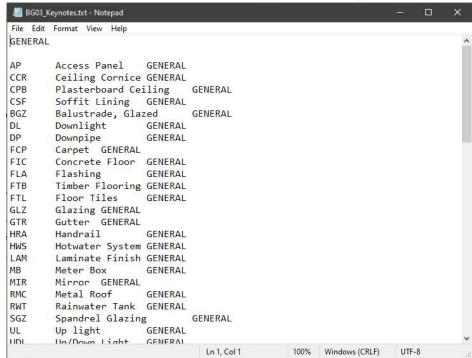


## Why not classification codes

Assembly codes more suitable
Differs by project/client
Keynote legend not utilised
Typically not tagged
Tree based relationships



## Keynote files





#### Tab delimited

Keynote Description Optional Parent group

```
BG03_Keynotes.txt - Notepad
                                                                                X
File Edit Format View Help
GENERAL
        Access Panel
AP
                          GENERAL
CCR
        Ceiling Cornice GENERAL
        Plasterboard Ceiling
CPB
                                   GENERAL
        Soffit Lining
                          GENERAL
CSF
```

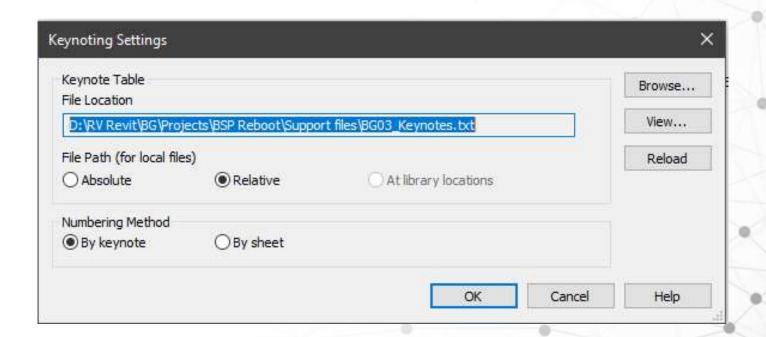


## Making a file (Excel is OK!)

A	Α	В	С
1	GENERAL		
2			
3	AP	Access Panel	GENERAL
4	CCR	Ceiling Cornice	GENERAL
5	СРВ	Plasterboard Ceiling	GENERAL
6	CSF	Soffit Lining	GENERAL
7	BGZ	Balustrade, Glazed	GENERAL
8	DL	Downlight	GENERAL
9	DP	Downpipe	GENERAL
10	FCP	Carpet	GENERAL

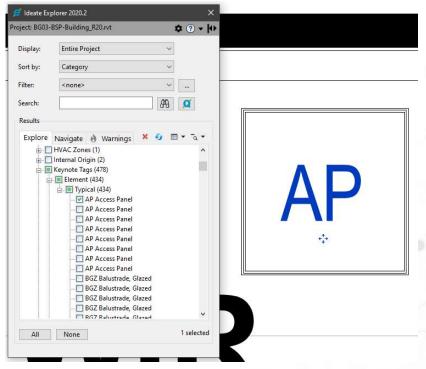


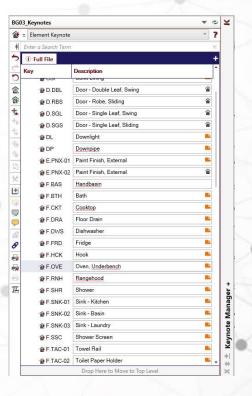
## Connecting the file





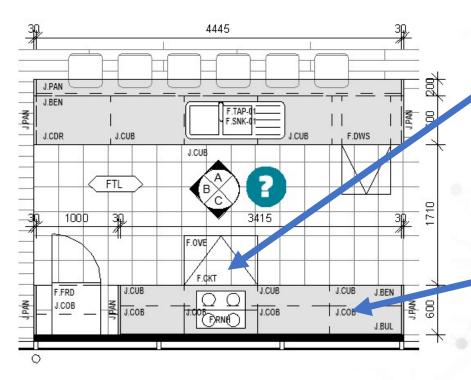
## Apps for managing keynotes







## Keynote legends



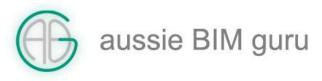
CODE	DESCRIPTION
F.CKT	Cooktop
F.DWS	Dishwasher
F.FRD	Fridge
F.OVE	Oven, Underbench
F.RNH	Rangehood
F.SNK-01	Sink - Kitchen
F.TAP-01	Kitchen Tap
FTL	Floor Tiles
J.BEN	Joinery Bench
J.BUL	Joinery Bulkhead
J.CDR	Joinery Drawers
J.COB	Joinery Overbench
J.CUB	Joinery Underbench
J.PAN	Joinery Panel
WTL	Wall Tiles



## Tag limitations

Depending on how you wish to use keynotes, there may be some limitations to be aware of.





## Recommendations

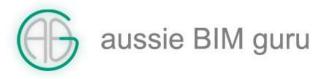
**Preparing** 

Design an expandable system

Try to manage 1 master file

Get buy-in from exec level

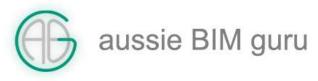
Set up keynotes in your template/library

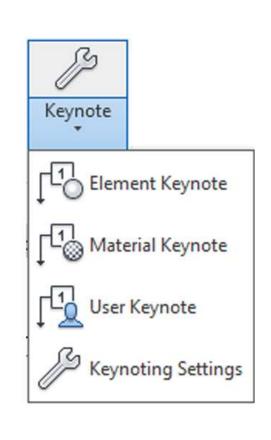


# Recommendations Safekeeping

To all the BIM Managers out there...

Keep a backup (or two!)







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