Parameter Properties

Parameter Type

◉ Project parameter

(Can appear in schedules but not in tags)

○ Shared parameter

(Can be shared by multiple projects and families, exported to ODBC, and appear in schedules and tags)

Select...   Export...

Parameter Data

Name:

2Hrs

Discipline:

Common

Type of Parameter:

Yes/No

Group parameter under:

Data

Tooltip Description:

<No tooltip description. Edit this parameter to write a custom tooltip. Custom tooltips hav...

Edit Tooltip...

○ Type
◉ Instance

◉ Values are aligned per group type
○ Values can vary by group instance

☑ Add to all elements in the selected categories

OK   Cancel   Help

Categories

Filter list: <show all>

☐ Hide un-checked categories

☐ Air Terminals
☐ Analytical Beams
☐ Analytical Braces
☐ Analytical Columns
☐ Analytical Floors
☐ Analytical Foundation Slabs
☐ Analytical Isolated Foundations
☐ Analytical Links
☐ Analytical Nodes
☐ Analytical Wall Foundations
☐ Analytical Walls
☑ Areas
☐ Assemblies
☐ Cable Tray Fittings
☐ Cable Tray Runs
☐ Cable Trays
☐ Casework
☐ Ceilings
☐ Columns
☐ Communication Devices
☐ Conduit Fittings

Check All   Check None

Settings

Shared rameters   Transfer Project Standards   Purge Unused   Structural Settings   MEP Settings

Save   Load   Edit   IDs of
Select
Warnin

Selection   Inqu

Project Parameters

Parameters available to elements in this project:

2Hrs
Architectural
Column
Door No.
Electrical
Glazing
Hydraulic
Landscape
Location
Material
Mechanical
Occupant
Project Manager
Project Status
Quantity Surveyor
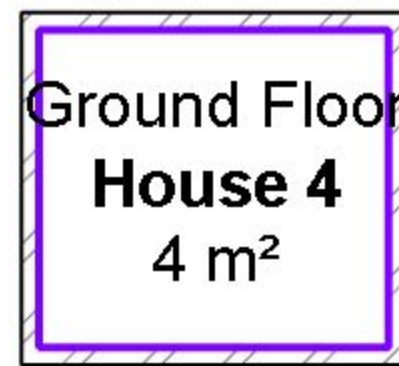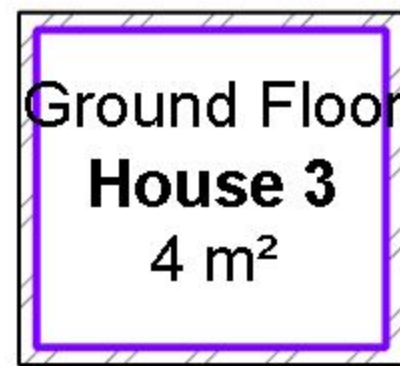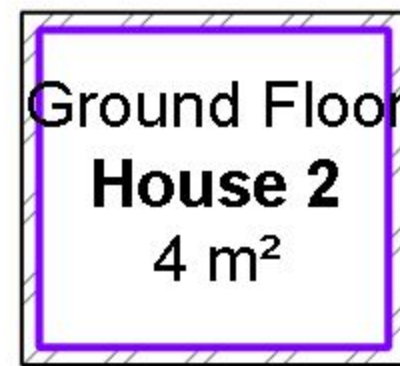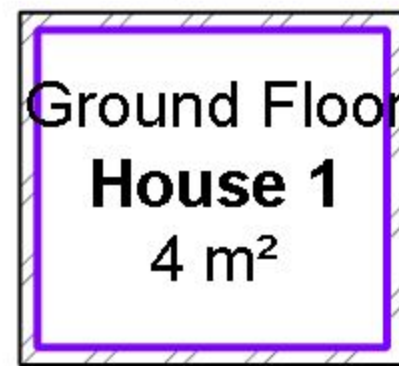Remarks

Add...
Modify...
Remove

OK   Cancel   Help

Create your 2Hrs Parameter. I've used areas, but I know some people use rooms at DA stage. It doesn't matter for this workflow. It will work for any element.

Ground Floor
House 1
4 m²

Ground Floor
House 2
4 m²

Ground Floor
House 3
4 m²

Ground Floor
House 4
4 m²

Schedule Properties

Fields | Filter | Sorting/Grouping | Formatting | Appearance

Available fields:

- Area
- Area Type
- Comments
- Count
- IfcGUID
- Image
- Level
- Perimeter

Add -->

<-- Remove

Add Parameter...

Calculated Value...

Scheduled fields (in order):

- Name
- Number
- 2Hrs

Create a schedule and add your 2Hrs parameter.

Edit... | Delete

Select available fields from:

Areas

☐ Include elements in links

Edit... | Delete

Move Up | Move Down

OK | Cancel | Help

Schedule Properties

Fields | Filter | Sorting/Grouping | Formatting | Appearance

Available fields:

- Area
- Area Type
- Comments
- Count
- IfcGUID
- Image
- Level
- Perimeter

Add -->

<-- Remove

Scheduled fields (in order):

- Name
- Number
- 2Hrs

Add Parameter...

Calculated Value...

New calculated value. It's a workaround to have a total number of elements

Calculated Value

Name: No1

(•) Formula   ( ) Percentage

Discipline: Common

Type: Number

Formula: 1   ...

OK   Cancel   Help

Edit...   Delete

Edit...   Delete

Select available fields from:

Areas

☐ Include elements in links

Move Up   Move Down

OK   Cancel   Help

Schedule Properties

Fields | Filter | Sorting/Grouping | Formatting | Appearance

Available fields:

Area
Area Type
Comments
Count
IfcGUID
Image
Level
Perimeter

Add -->

<-- Remove

Add Parameter...

Calculated Value

Scheduled fields (in order):

Name
Number
2Hrs
No1

This calculated value changes the Yes/No parameter to a 1/0 integer

Calculated Value

Name: Int2Hrs

⦿ Formula   ○ Percentage

Discipline: Common

Type: Number

Formula: if(2Hrs,1,0)   ...

OK   Cancel   Help

Edit...   Delete

Select available fields from:

Areas

☐ Include elements in links

Edit...   Delete

Move Up   Move Down

OK   Cancel   Help

Schedule Properties

Fields | Filter | Sorting/Grouping | Formatting | Appearance

Available fields:

Area
Area Type
Comments
Count
IfcGUID
Image
Level
Perimeter

Add -->

<-- Remove

Add Parameter...

Calculated Value...

Scheduled fields (in order):

Name
Number
2Hrs
No1
Int2Hrs

Optionally you can have a text value driven by an if statement.

Calculated Value

Name: Compliance

(•) Formula   ( ) Percentage

Discipline: Common

Type: Text

Formula: if(2Hrs,"Compliant","Non-complia"   ...

OK   Cancel   Help

Untitled - Notepad

File Edit Format View Help

if(2Hrs,"Compliant","Non-compliant")

Edit...   Delete

Edit...   Delete

Select available fields from:

Areas

☐ Include elements in links

Move Up   Move Down

OK   Cancel   Help

F	G
Compliance	Percentage of 2Hr
Non-compliant	25%
	25%
Compliant	25%
Compliant	25%
Compliant	25%
	75%
	100%

Schedule Properties ✕

Fields | Filter | Sorting/Grouping | Formatting | Appearance

Available fields:

- Area
- Area Type
- Comments
- Count
- IfcGUID
- Image
- Level
- Perimeter

Add -->

<-- Remove

Add Parameter...

Calculated Value...

Scheduled fields (in order):

- Name
- Number
- 2Hrs
- No1
- Int2Hrs
- Compliance

Calculated Value ✕

Name: Percentage of 2Hrs

○ Formula ● Percentage

Of: No1

By: <Grand total>

OK | Cancel | Help

Percentage of 2Hrs is actually a percentage of the No1 value. By sorting it by 2Hrs you'll get your percentage

Edit... | Delete

Select available fields from:

Areas

☐ Include elements in links

Edit... | Delete

Move Up | Move Down

OK | Cancel | Help

Schedule Properties

Fields | Filter | **Sorting/Grouping** | Formatting | Appearance

Sort by: | 2Hrs | ● Ascending | ○ Descending

☐ Header | ☑ Footer: | Title, count, and totals | ☐ Blank line

Then by: | (none) | ○ Ascending | ○ Descending

☐ Header | ☐ Footer: | | ☐ Blank line

Then by: | (none) | ○ Ascending | ○ Descending

☐ Header | ☐ Footer: | | ☐ Blank line

Then by: | (none) | ○ Ascending | ○ Descending

☐ Header | ☐ Footer: | | ☐ Blank line

☑ Grand totals: | Title, count, and totals

Custom grand total title:

Grand total

☐ Itemize every instance

Sorting by 2Hrs

Totals

Totals

Optionally you can deselect this

OK | Cancel | Help

Schedule Properties

Fields:

- Name
- Number
- 2Hrs
- No1
- Int2Hrs
- Compliance
- Percentage of 2Hrs

Heading:

Heading orientation:

Horizontal

Alignment:

Left

Field formatting:

Field Format...

☐ Hidden field

Conditional Format...

☑ Show conditional format on sheets

☑ Calculate totals

Calculate totals for the new values

OK   Cancel   Help

Delete | Resize | Hide | Unhide All | Insert | Delete | Resize | Merge Unmerge | Insert Image | Clear Cell | Group | Ungroup | Shading | Borders | Reset | Font | Align Horizontal | Align Vertic

Columns | Rows | Titles & Headers | Appearance

	\<Area Schedule (Rentable)\>					
A	**B**	**C**	**D**	**E**	**F**	**G**
Name	Number	No1	2Hrs	Int2Hrs	Compliance	Percentage of 2Hr
House 2	3	1	☐	0	Non-compliant	25%
No: 1		1		0		25%
		3	☑	3	Compliant	75%
Yes: 3		3		3		75%
Grand total: 4		4		3		100%

You can hide these

<SEPP65 2Hrs>	
A	**B**
Compliance	Percentage of 2Hr
Non-compliant	25%
No: 1	25%
Compliant	75%
Yes: 3	75%
Total of 2Hrs: 4	100%

Et Voila !
DONE!