

Overview PVD Model checker

Version 15.01.2024 based on Revit 2024

A good project is able to score around 80 percent perfection.

The list below shows the checks needed to reach that project quality:

The following checks will be executed:		Check Importance	% Substr.
0	Check if project information is filled in	AuthorName and Project number needs to be filled in correctly	crucial 20
1	Check if author name format is correct	Make sure that just letters and underscore is accepted	crucial 20
2	Check if study number format is correct	Make sure to use your correct study number	crucial 20
3	Check File Name	Make sure that just the file name format , we agreed on in PVD, is used. Example: YYYYMMDD_Title_Name_StudyNumber.rvt	crucial 20
4	Check file extension and if template is used	Make sure that just the revit project *.rvt is been used, Template files are not accepted.	crucial 20
5	Check units	Make sure that the unit 'mm' is used	crucial 20
6	Check View names	Make sure no spaces, no special characters, no 'Copy' is shown in level names. Use naming as agreed on like B0, 00, 01...	important 10
7	Check Family names	Make sure that there are no spaces, no special characters in family names	medium 5
8	Check Material names	Make sure that no special chracters or 'brackets' in material names are used.	to be checked 1
9	Check if walls are modeled by level	Make sure that no walls spanning more than two levels.	medium 5
10	Check if elements (p.e. doors) are not flying above their level	Make sure that the maximum 'off-set' of all elements is less or equal 200mm	important 5
11	Check if groups are used.	The use of 'groups' is not accepted.	to be checked 1
12	Check if interior/exterior parameters of walls & doors is correct	Make sure doors & walls are the same direction	important 10
13	Check if certain categories, families, types are used in project	Make sure all categories used in the lectures are used in the project.	important 10
14	Check if enough view types are placed on Sheets	Min: 2 floor plans, 1 section, 3-4 elevations, 2 3D-views, 1 legend, 1 schedule, 1 logo	important 10
15	Check content (Grid, Dims, Text, Tags) on Sheet Floor Plans	Make sure floor plans do show grid lines, dimensions, room tags, and text.	to be checked 1
16	Check content (Grid, Dims, Text) on Sheet Sections	Make sure sections do show grid lines, dimensions, spot elevations, masking regions and text.	to be checked 1
17	Check content (Grid, Dims, Text, 2D) on Sheet Elevations	Make sure elevations show spot elevations and masking regions.	to be checked 1
18	Check if Crop Regions in Sheet Views is switched off	Make sure that floor plans, sections and elevation do NOT show the crop view frame	medium 5
19	Check ExtensionLine & ViewportTitles in SheetViews are switched off	Make sure sheet views do NOT show the standard titles and extension lines.	to be checked 1
20	Check windows are same orientation as walls	Make sure windows are placed with their exterior side correctly in their hosts (walls)	important 10
21	Check doors are same orientation as walls	Make sure Doors are placed with their exterior side correctly in their hosts (walls)	medium 5

To pass the check needs to show min 55% perfection