

HOW TO: REVIT SHEET GUIDELINE

1.0 Create Sheet

1.1 Create Dimension Style

- (1) Select a created dimension. In the Properties palette >> Edit Type, the Type Properties will show up.
- (2) On the Ordinate Dimension Setting option, click Edit... button. In the appearing Ordinate Dimension Setting dialog box, select the desired dimension styles from Origin Trick Mark drop-down.

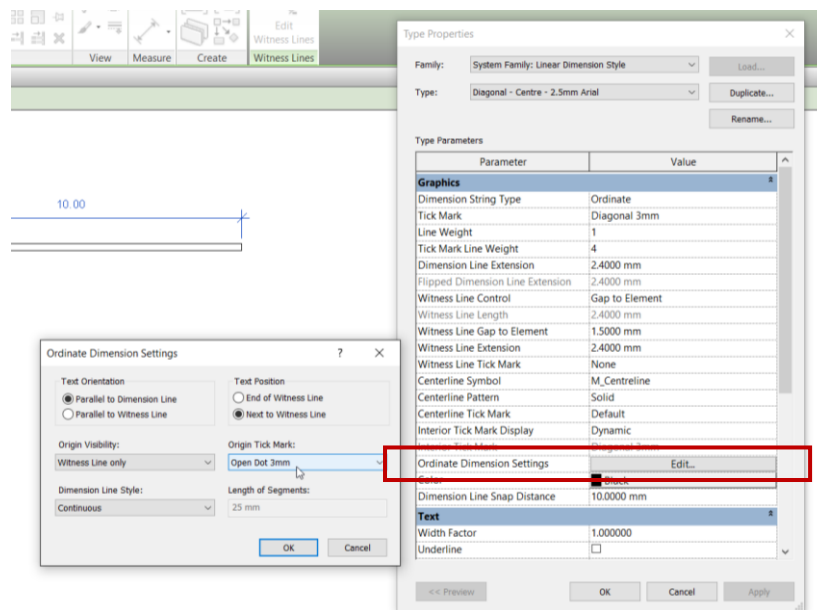


Figure 1.1 Create dimension

- (3) To modify the dimension arrowheads, from the Manage tab >> Additional Setting >> Arrowheads

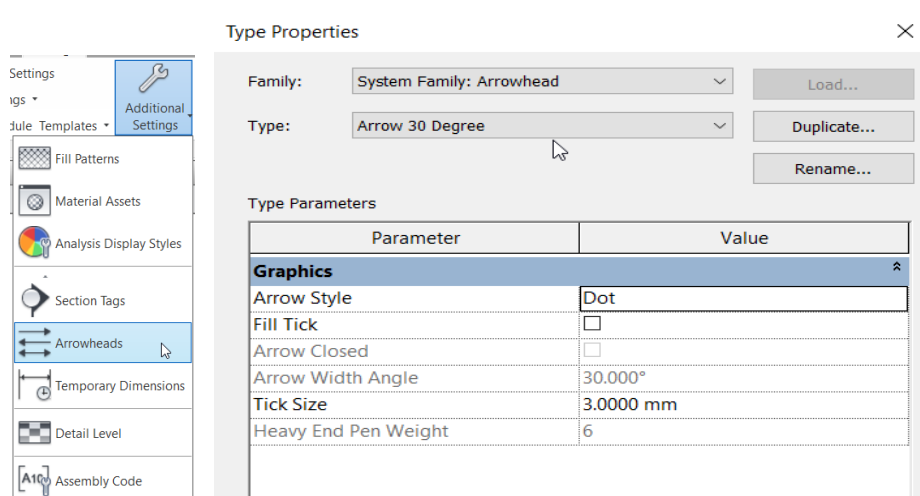


Figure 1.2 Modify the dimension arrowheads

1.2 Set Line Weights

- (1) From the Manage tab, select Additional Setting >> Line Weights. In the Line Weights dialog box, set line weights as required.

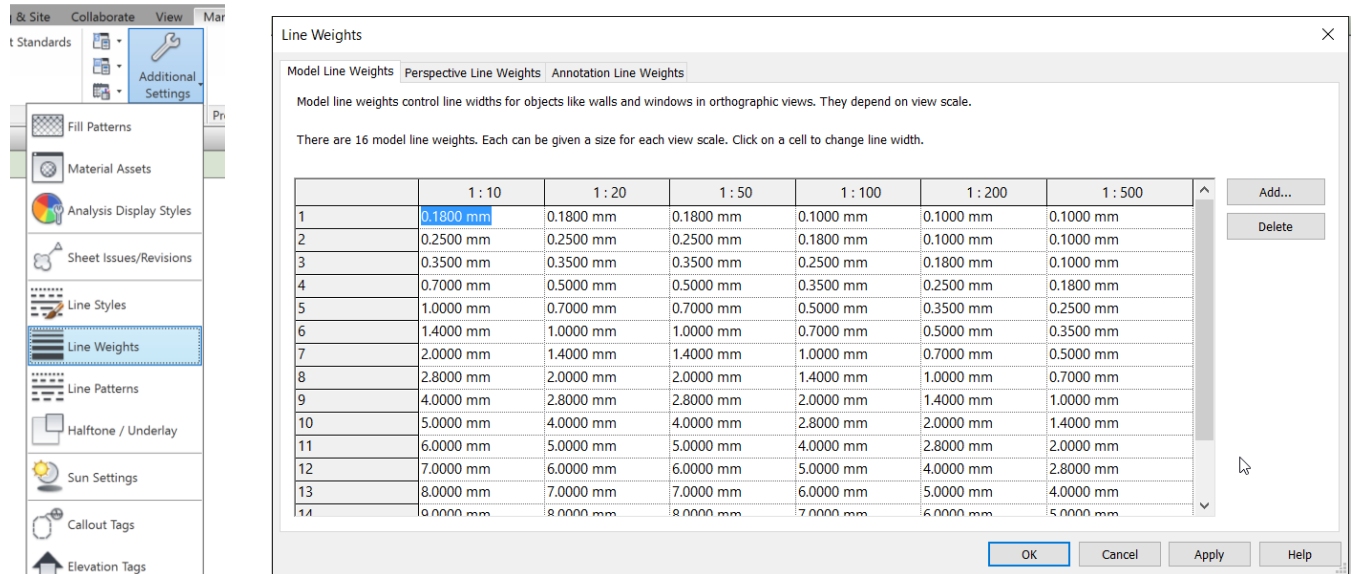


Figure 1.3 Line Weights setting

- (2) The set line weights will not be immediately applied to objects in the project until they are set into the Object Style. From the Manage tab >> Setting panel >> Object Style.

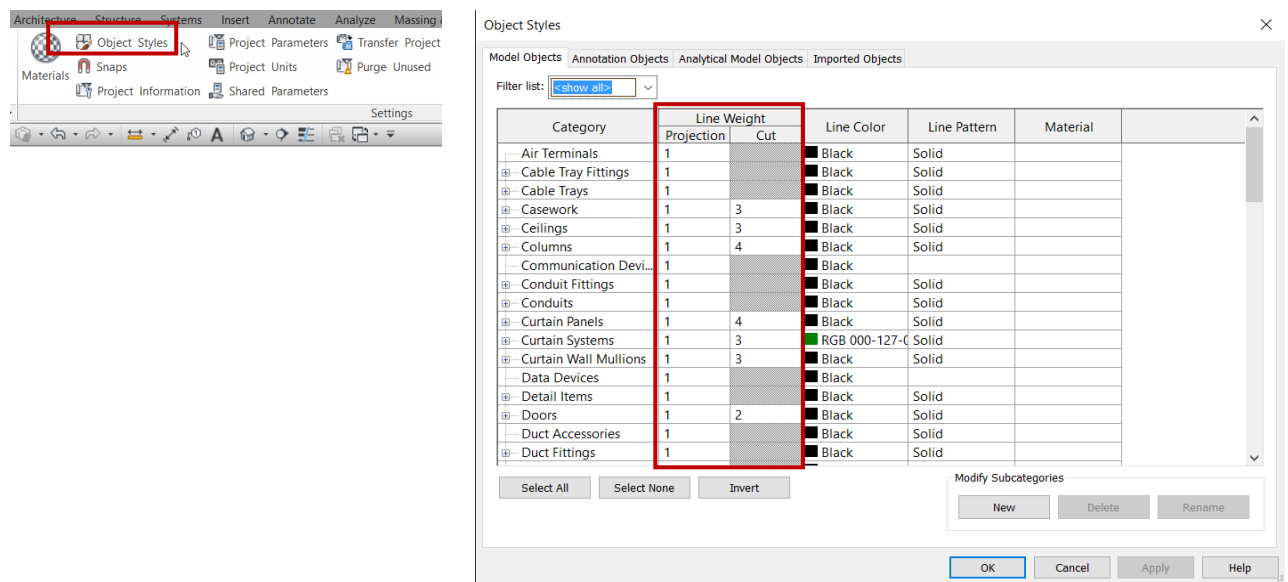


Figure 1.4 Object Styles setting (apply Line Weights)

1.3 Sheet Layout

- (1) Create a sheet from the View tab, in the Sheet Composition panel >> Sheet.
- (2) In the New Sheet dialog box, choose a template as require, click OK to create the template.

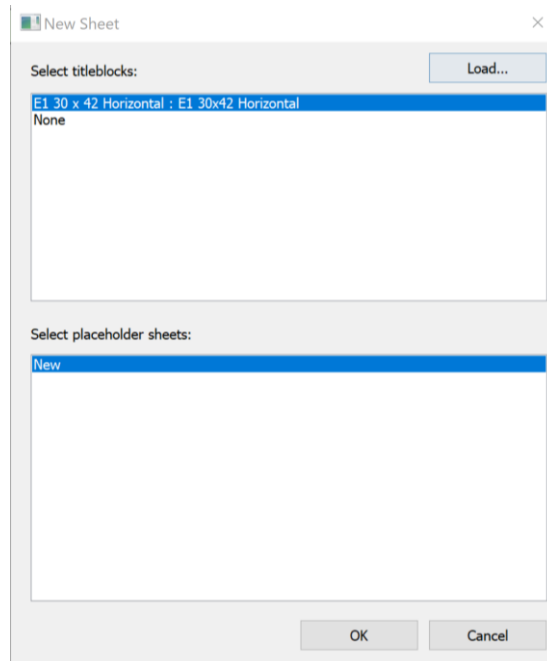


Figure 1.5 New Sheet dialog box

- (3) To arrange the composition of Revit sheet, in the View tab >> Sheet Composition panel >> View.
- (4) Choose the required view from the Views dialog box, click Add View to Sheet to acquire the selected view plan.

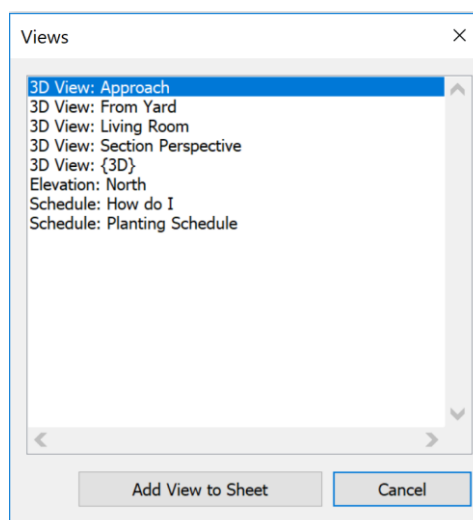


Figure 1.6 View dialog box

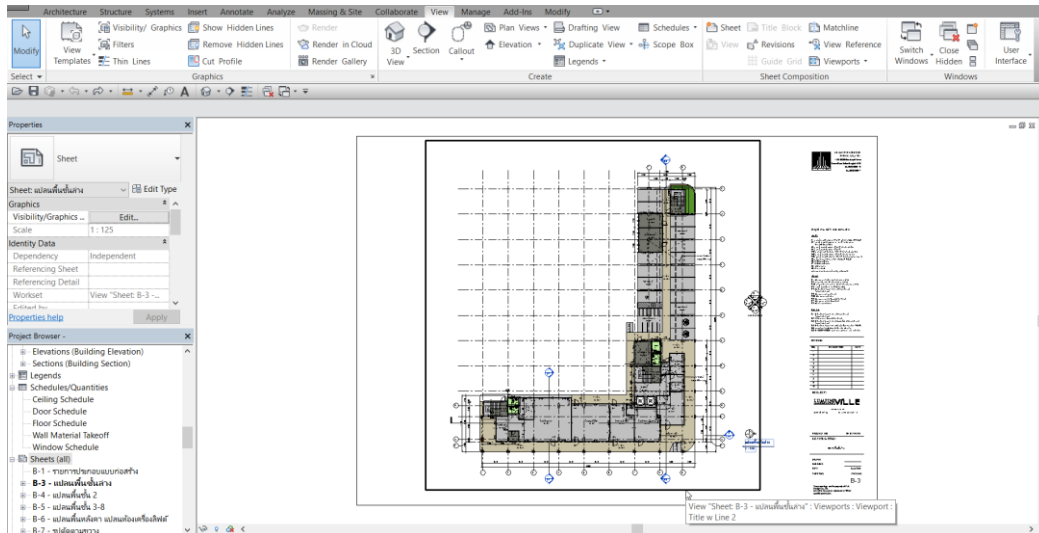


Figure 1.7 Sheet layout

1.4 Create Drafting View

Create a drafting view to provide details that are not part of the building model. Use the detailing tools on the Annotate tab to sketch the details.

- (1) From the View tab >> Create panel >> Drafting View, the New draft View appears.
- (2) Enter a value for Name, and select a value for Scale in the New Drafting View Dialog. Click OK to create the drafting view.

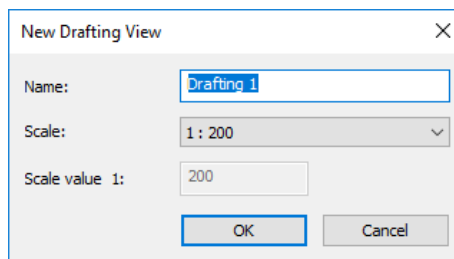


Figure 1.8 New Drafting View dialog box

- (3) To import details, in the created drafting view, in the Insert tab >> Import panel >> Import CAD.

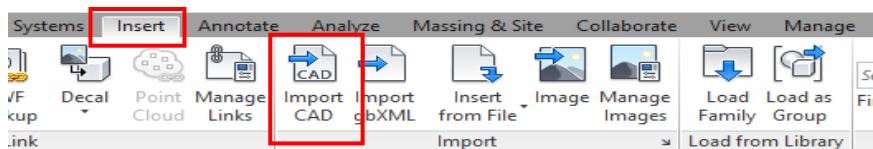


Figure 1.9 HOW TO: Import CAD

2.0 Transfer Project Standard

“Transfer Project Standard” tool is used for copying project standards such as Family types, Annotation styles or Line weights from one project to another project. This tool possibly reduces time-consuming and repetitive work when starting a new project.

2.1 How to: Transfer Project Standard

(1) Open the source file of the project standards.

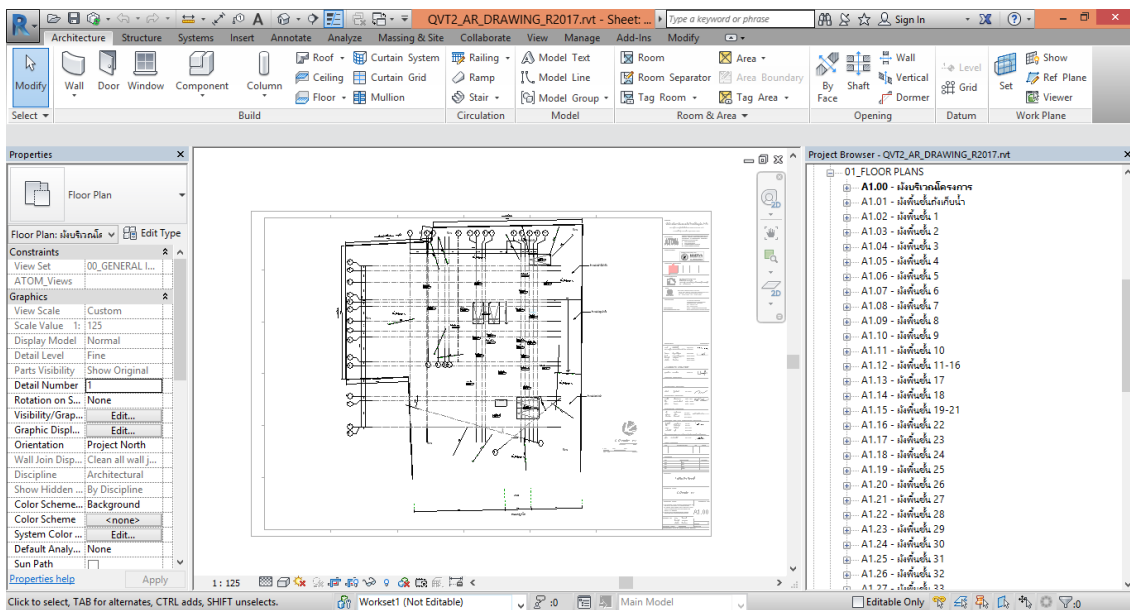


Figure 2.1 A source file of the project standards.

(2) Create a target project.

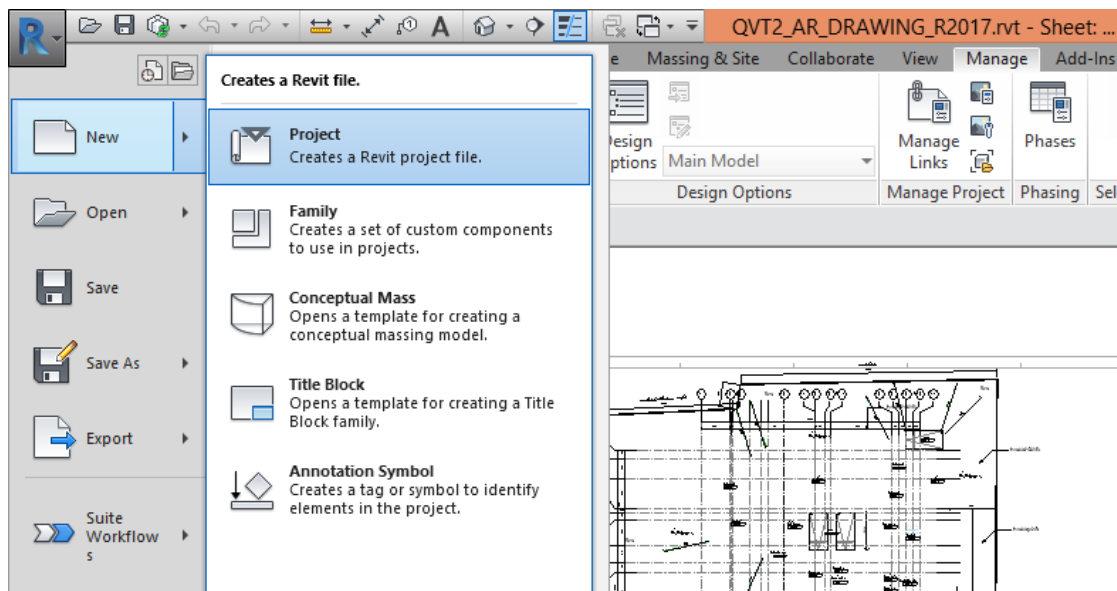


Figure 2.2 Create a target project

(3) Click Manage tab >> Setting panel >> Transfer Project Standards.

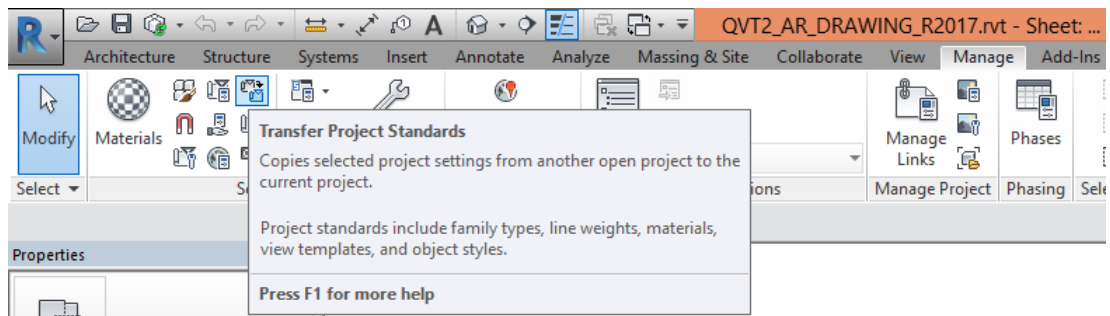


Figure 2.3 How to: Transfer Project Standards

(4) In the Select Items to Copy dialog, select the source project for Copy from and click OK.

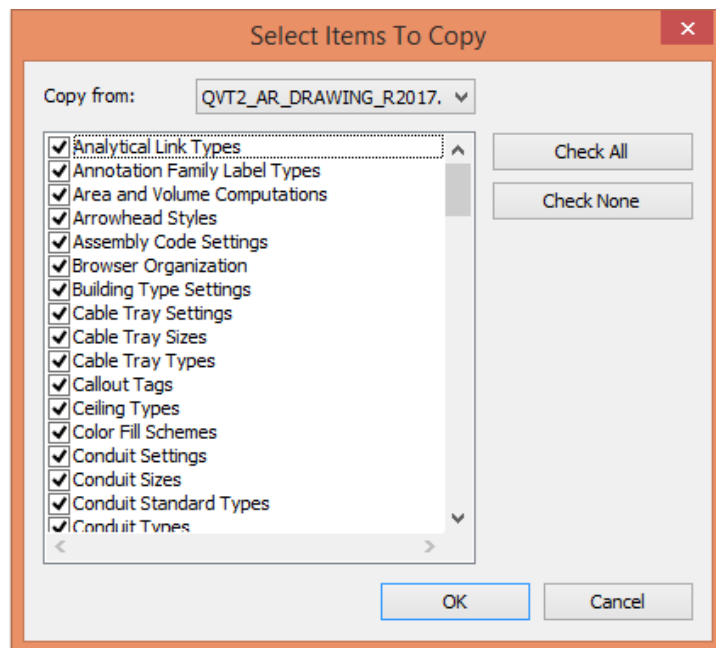


Figure 2.4 Select Items to Copy dialog box

(5) If the Duplicate Types dialog displays, select one of the following options:

(6) Overwrite: Transfer all new project standards, and overrides duplicate types.

(7) New Only: Transfer all new project standards, and ignores duplicate types

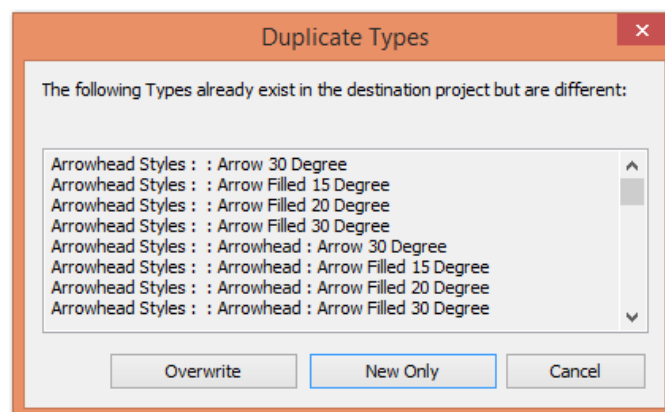


Figure 2.5 Duplicate Types dialog box

(8) Click Manage tab>> Settings panel >> Additional Settings drop-down, select Line Styles

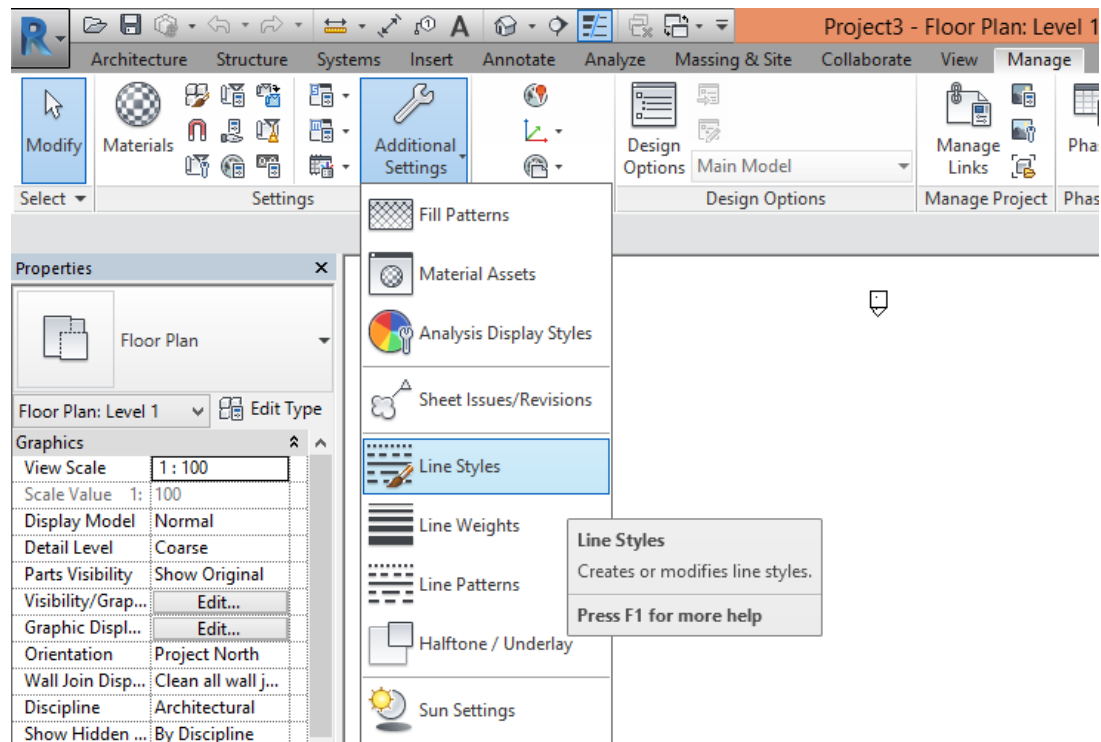


Figure 2.6 HOW TO: set Line Styles

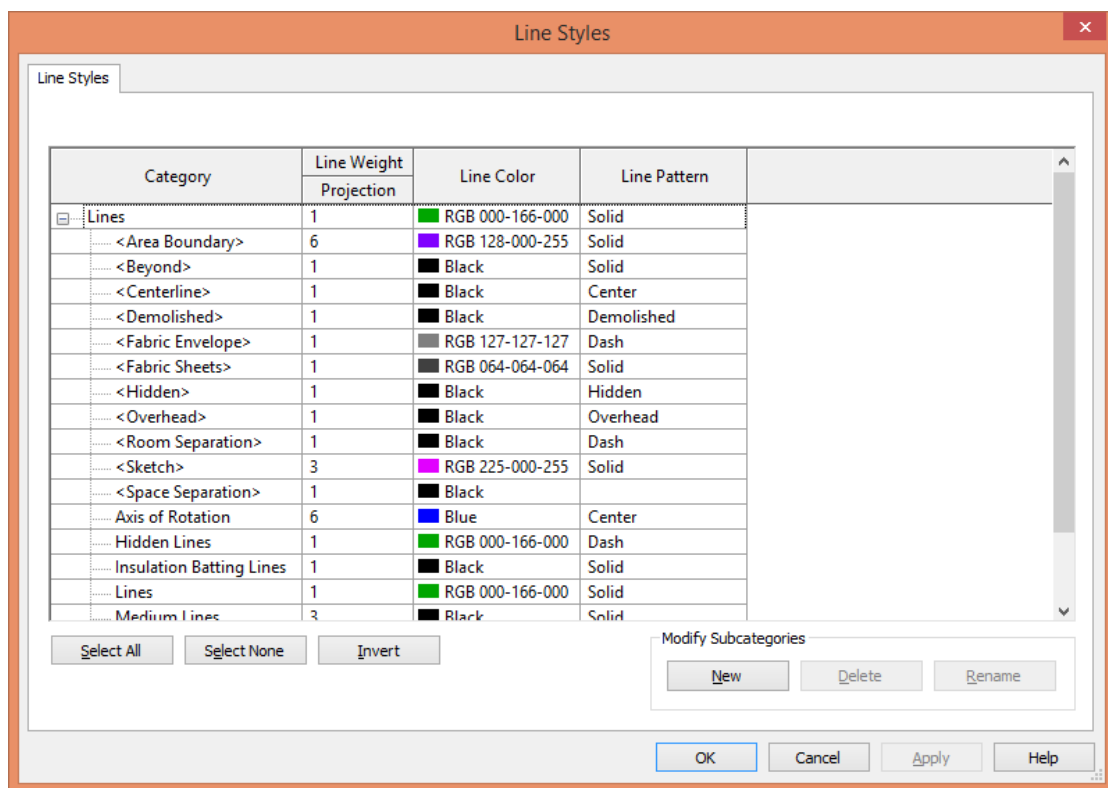


Figure 2.7 Line Styles dialog box

3.0 How to: Modify Line Weights

- (1) Select Line Category and choose Line Weights from 1 to 16 as required.

Table 3.1 Line categories

Category	Line weight & Projection	Line Color	Line Pattern
ชนิดของเส้น	น้ำหนักเส้น (1-16)	สีเส้น	สไตล์เส้น

- (2) Modify Line Weights by selecting a line, then choose Line Weight (1-16) from Line Weight & Projection and click Apply.

4.0 How to: Create Line Styles

- (1) In the Line Styles dialog, click New.
- (2) Enter a new name for the line style. The name displays under Category in the Line Styles dialog, then click OK

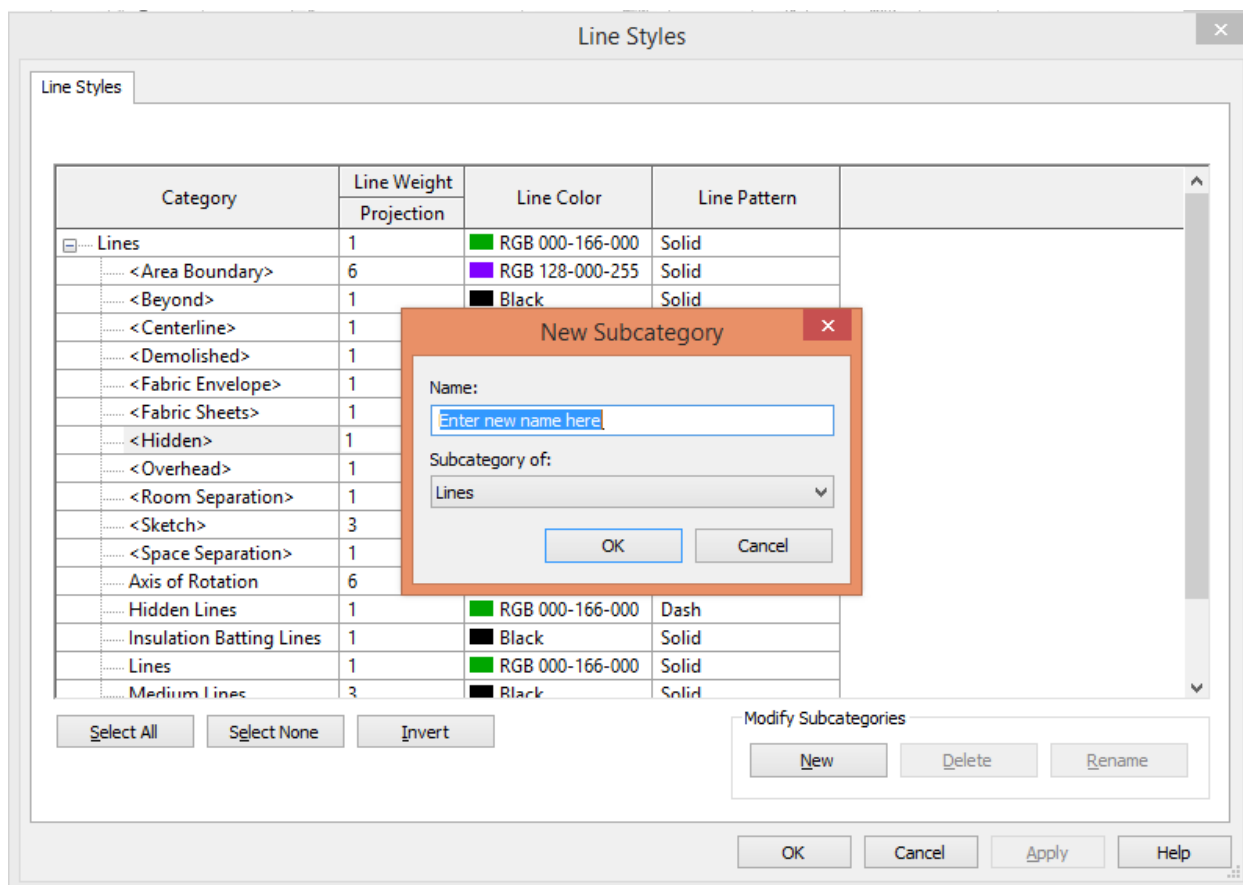


Figure 4.1 How to: Create a line style

5.0 How to: Modify Line Colour

- (1) In the Line Styles dialog, click the value for Line Color to choose a line color.
- (2) Line colors are suggested to be selected from Basic colors - and/or PANTONE collections.

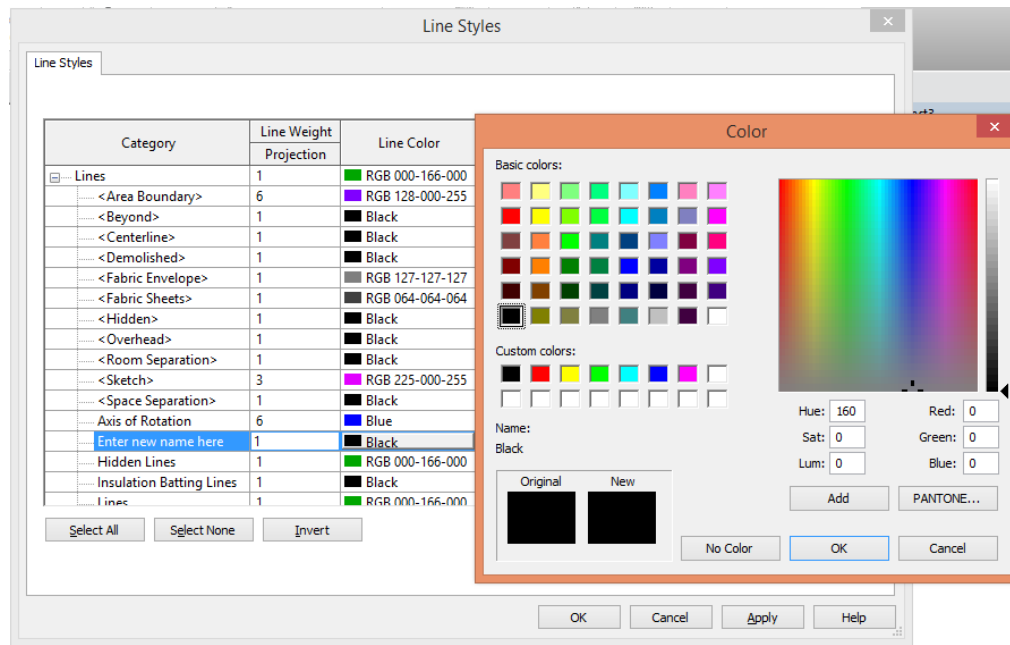


Figure 5.1 How to: Modify line colour

6.0 Model Line Weight Scale

The Model Line Weight Scales' guideline is provided by the following table.

Line Weights

Model Line Weights

Perspective Line Weights

Annotation Line Weights

Model line weights control line widths for objects like walls and windows in orthographic views. They depend on view scale.

There are 16 model line weights. Each can be given a size for each view scale. Click on a cell to change line width.

	1 : 10	1 : 20	1 : 50	1 : 100	1 : 200	1 : 500
1	0.1800 mm	0.1800 mm	0.1800 mm	0.1000 mm	0.1000 mm	0.1000 mm
2	0.2500 mm	0.2500 mm	0.2500 mm	0.1800 mm	0.1000 mm	0.1000 mm
3	0.3500 mm	0.3500 mm	0.3500 mm	0.2500 mm	0.1800 mm	0.1000 mm
4	0.7000 mm	0.5000 mm	0.5000 mm	0.3500 mm	0.2500 mm	0.1800 mm
5	1.0000 mm	0.7000 mm	0.7000 mm	0.5000 mm	0.3500 mm	0.2500 mm
6	1.4000 mm	1.0000 mm	1.0000 mm	0.7000 mm	0.5000 mm	0.3500 mm
7	2.0000 mm	1.4000 mm	1.4000 mm	1.0000 mm	0.7000 mm	0.5000 mm
8	2.8000 mm	2.0000 mm	2.0000 mm	1.4000 mm	1.0000 mm	0.7000 mm
9	4.0000 mm	2.8000 mm	2.8000 mm	2.0000 mm	1.4000 mm	1.0000 mm
10	5.0000 mm	4.0000 mm	4.0000 mm	2.8000 mm	2.0000 mm	1.4000 mm
11	6.0000 mm	5.0000 mm	5.0000 mm	4.0000 mm	2.8000 mm	2.0000 mm
12	7.0000 mm	6.0000 mm	6.0000 mm	5.0000 mm	4.0000 mm	2.8000 mm
13	8.0000 mm	7.0000 mm	7.0000 mm	6.0000 mm	5.0000 mm	4.0000 mm
14	9.0000 mm	8.0000 mm	8.0000 mm	7.0000 mm	6.0000 mm	5.0000 mm
15	9.0000 mm	9.0000 mm	9.0000 mm	8.0000 mm	7.0000 mm	6.0000 mm

Add...

Delete

OK

Cancel

Apply

Help

Figure 6.1 Example of Model Line Weights

Table 6.1 Model Line Weights guideline

	1:10	1:20	1:50	1:100	1:200	1:500
1	0.1800 mm	0.1800 mm	0.1800 mm	0.1000 mm	0.1000 mm	0.1000 mm
2	0.2500 mm	0.2500 mm	0.2500 mm	0.1800 mm	0.1000 mm	0.1000 mm
3	0.3500 mm	0.3500 mm	0.3500 mm	0.2500 mm	0.1800 mm	0.1000 mm
4	0.7000 mm	0.5000 mm	0.5000 mm	0.3500 mm	0.2500 mm	0.1800 mm
5	1.0000 mm	0.7000 mm	0.7000 mm	0.5000 mm	0.3500 mm	0.2500 mm
6	1.4000 mm	1.0000 mm	1.0000 mm	0.7000 mm	0.5000 mm	0.3500 mm
7	2.0000 mm	1.4000 mm	1.4000 mm	1.0000 mm	0.7000 mm	0.5000 mm
8	2.8000 mm	2.0000 mm	2.0000 mm	1.4000 mm	1.0000 mm	0.7000 mm
9	4.0000 mm	2.8000 mm	2.8000 mm	2.0000 mm	1.4000 mm	1.0000 mm
10	5.0000 mm	4.0000 mm	4.0000 mm	2.8000 mm	2.0000 mm	1.4000 mm
11	6.0000 mm	5.0000 mm	5.0000 mm	4.0000 mm	2.8000 mm	2.0000 mm
12	7.0000 mm	6.0000 mm	6.0000 mm	5.0000 mm	4.0000 mm	2.8000 mm
13	8.0000 mm	7.0000 mm	7.0000 mm	6.0000 mm	5.0000 mm	4.0000 mm
14	9.0000 mm	8.0000 mm	8.0000 mm	7.0000 mm	6.0000 mm	5.0000 mm
15	9.0000 mm	9.0000 mm	9.0000 mm	8.0000 mm	7.0000 mm	6.0000 mm
16	5.0000 mm	4.0000 mm	4.0000 mm	3.0000 mm	2.0000 mm	1.4000 mm

7.0 Perspective Line Weight

The Perspective Line Weights' guideline are provided by the following table.

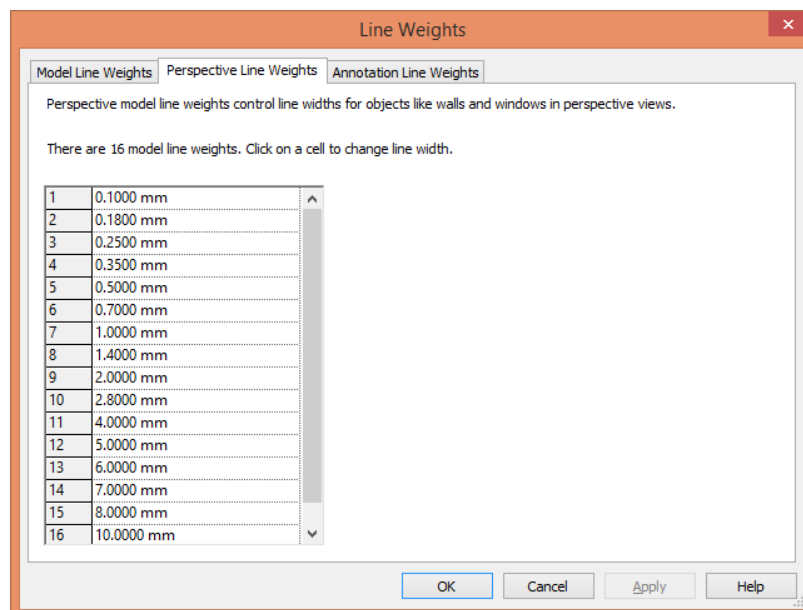


Figure 7.1 Example of Perspective Line Weights

Table 7.1 Perspective Line Weights guideline

1	0.1000 mm
2	0.1800 mm
3	0.2500 mm
4	0.3500 mm
5	0.5000 mm
6	0.7000 mm
7	1.0000 mm
8	1.4000 mm
9	2.0000 mm
10	2.8000 mm
11	4.0000 mm
12	5.0000 mm
13	6.0000 mm
14	7.0000 mm
15	8.0000 mm
16	10.0000 mm

8.0 Annotation Line Weights

The Annotation Line Weights' guideline is provided by the following table

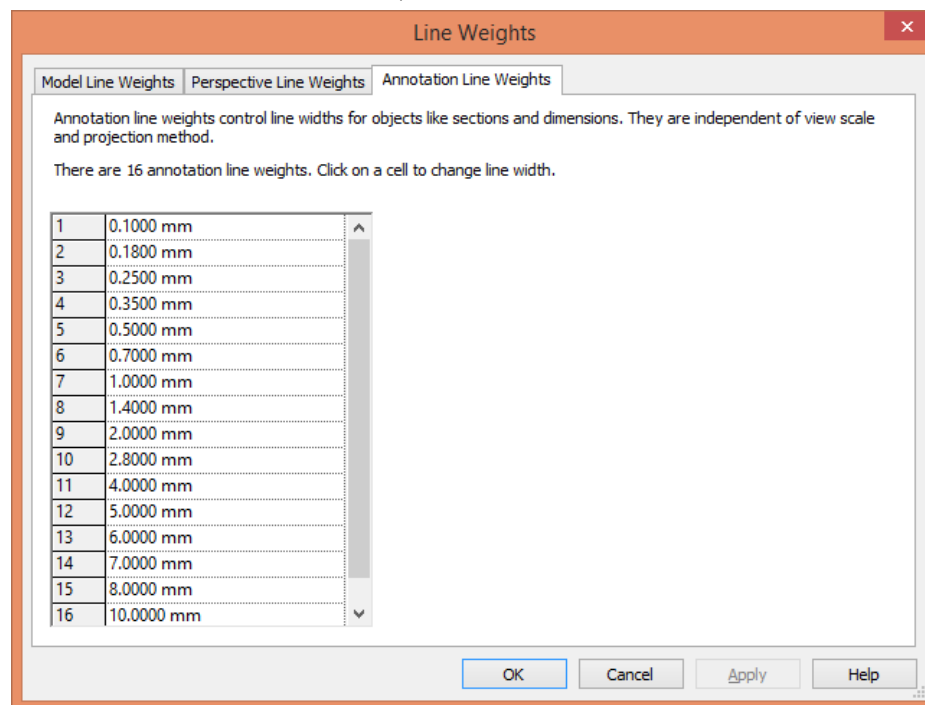


Figure 8.1 Example of Annotation Line Weights

Table 8.1 Annotation Line Weights guideline

1	0.1000 mm
2	0.1800 mm
3	0.2500 mm
4	0.3500 mm
5	0.5000 mm
6	0.7000 mm
7	1.0000 mm
8	1.4000 mm
9	2.0000 mm
10	2.8000 mm
11	4.0000 mm
12	5.0000 mm
13	6.0000 mm
14	7.0000 mm
15	8.0000 mm
16	10.0000 mm