

Engineering Services Planning

Ventilation Riser Progress Schedule

The Ventilation Riser Progress Schedule provides a graphical portrayal of the ventilation risers for senior management / director's review. This schedule provides an appraisal of the entire ventilation works at a given date without the need for a written report. It is enhanced by the notes and call-out text boxes, which provide key information relative to the progress.

This schedule can stand alone, or provide progress information for summary bars of a main construction programme.

This schedule has been developed in the form of a model indicating the work content of each ventilation riser. It is not formatted to present planned and actual progress values, but it is formatted to indicate the planned performance for a particular programme week ending.

The white cells indicate the extent of the ductwork installation. The shaded sections have no risers and the shaded striped sections refer to concrete riser airshafts that do not contain ductwork, but do have louvres inserted at various levels (denoted by the white diagonally striped boxes).

The riser descriptions are indicated along with their references.

There are columns for the various aspects of the installation, the key for which being: -

- I - Installed
- In - Inspection
- T - Tested
- L - Lagged (Insulation)

So for example the "Kitchen Extract R5" ductwork installation commences on level 0 and is installed to level 33. Also the concrete shaft for the "Atrium Extract / Smoke Extract SW3" commences on level 11 and runs up to level 33, and has louvres installed to levels 11, 17, 23 & 29.

When a "Week Number" is inserted (into the grey cell) the programmed "Week Ending" date automatically changes to represent that programme week ending date, and the cells associated with the planned performance change to red.

The progress of each riser is determined with the trade contractor and the management representative. The completed sections are later coloured green to identify the agreed progress, and comments are inserted to identify any problems be they contractor or management driven. The installation of the temporary passenger hoist is also indicated, which records the actual access on the given date.

The process of turning the cell colours green is carried out by deleting the planned formatting and changing the cell colour with the fill tool.

This example portrays the risers at week 0 – 4th April 2003 and week 22 – 5th September 2003. At week number 0 the model is blank. Then as the week numbers are gradually increased so to does the number of red cells, signifying the progression of the planned progress.

The week number 22 example indicates the progress at 5th September 2003. The green cells indicate the extent of the completed works at that date. It can be deduced from week 22 that the majority of the ductwork has been installed as planned and the majority of the incomplete work involves testing and inspections.

