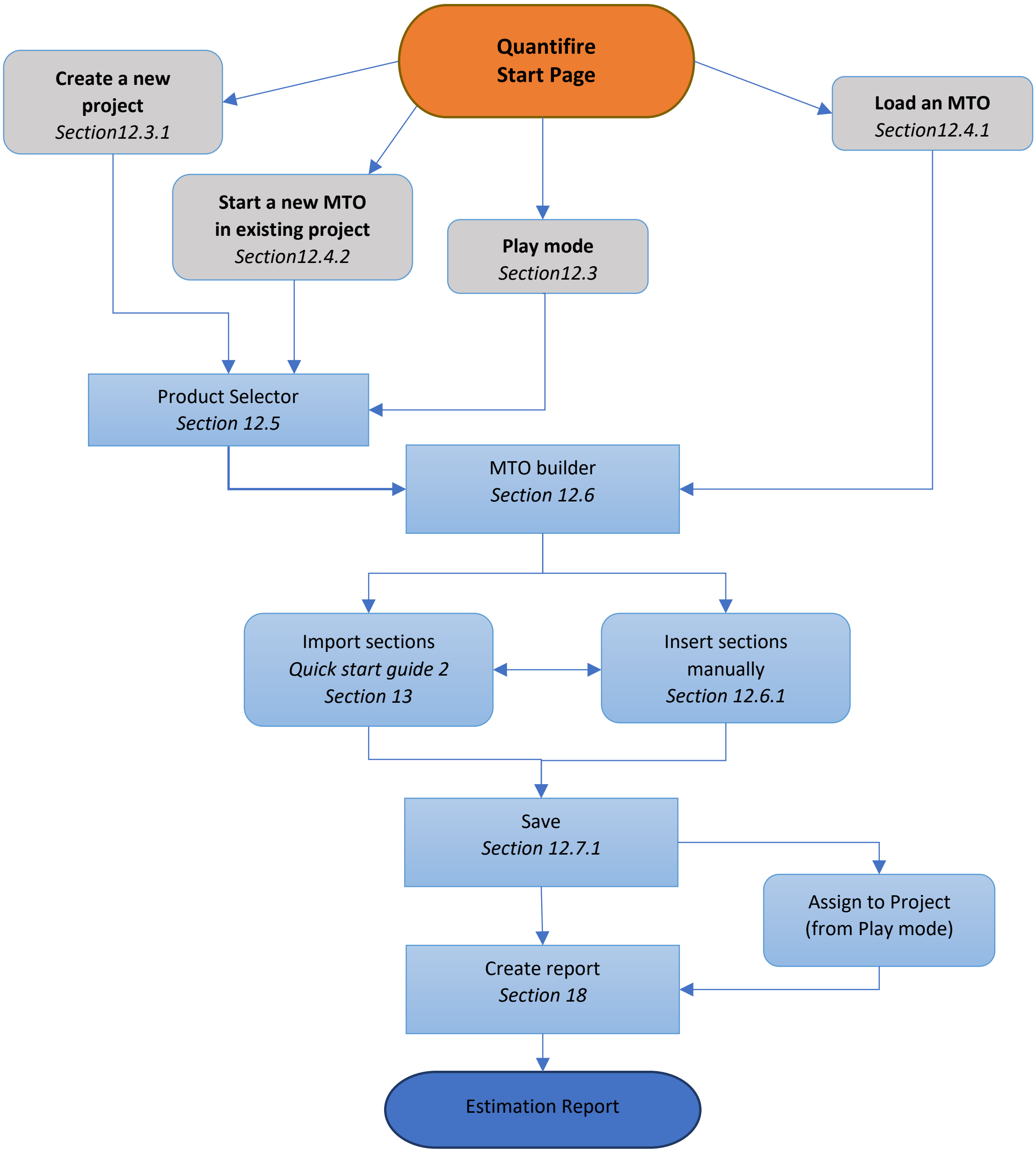
QUANTIFIRE

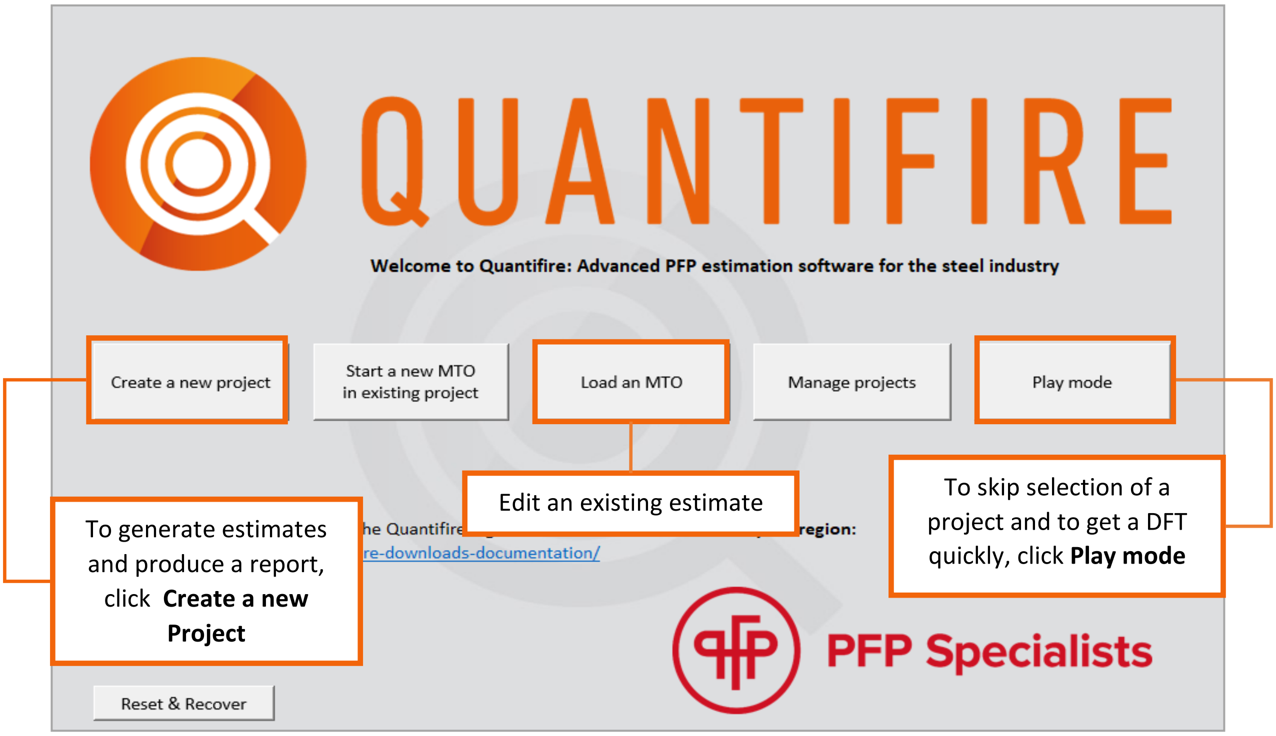
QUICK START GUIDE 1: GETTING STARTED

This note guides users through the simplest route from the Quantifire Home page to the creation of a bill of quantity (BOQ) report. The process followed when creating a report is as shown below, *note that 'Section' references refer to the relevant section of the main User Guide.*



1. SETTING UP THE MTO BUILDER

Home Page



Create a new project

Select **Create a new Project** to open the 'New Project' Menu. Complete the starred fields and any others that are useful then click **Create project**. Remember, the more information you enter, the more powerful the analytics tools are in the future.

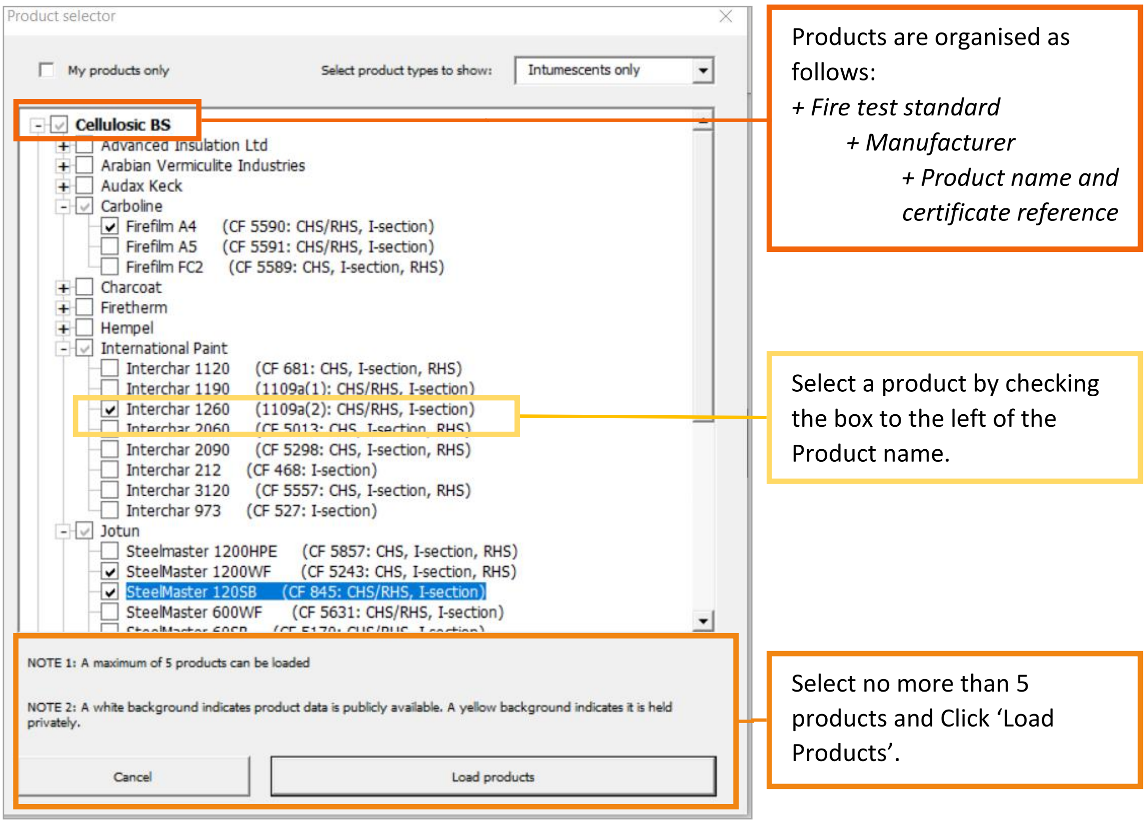
You are then asked if you want to create a package now, or whether the project has no packages. Packages allow the user to subdivide a project into different parts.

Select **Create a package now** (or **No packages**, if the project is simple and requires only one report)

In the 'Create package' window, complete the starred fields and click **Create package**.

Product selector

The user can select multiple PFP products for use in estimations to allow for direct comparisons, up to a maximum of 5 products. These will be shown side-by-side in the Quantifire MTO Builder window.



Note: Product names with a white background are products that have made their product data publicly available. A product with a yellow background indicates that the product data is held in your company's private database (and is therefore available only to your company).

If a user selects 2 or more products they are prompted to choose a type of combined product summary column. The summary column allows a user to see a preview of the project offer by having Quantifire calculate the best product on a line-by-line basis, and see the total quantity of material required. Click **No summary column** to skip this step, or select the type of summary column to use from the drop-down, followed by the products to include, then **Show summary column**.

The types of summary columns available are:

- Preferred product
  You specify the product to use, and a secondary product if the primary product has no DFT.
- Optimise by DFT, weight, or cost:
  Quantifire selects the product with the lowest value
- Specify product by zone, profile shape, or use:
  You specify the products to use accordingly

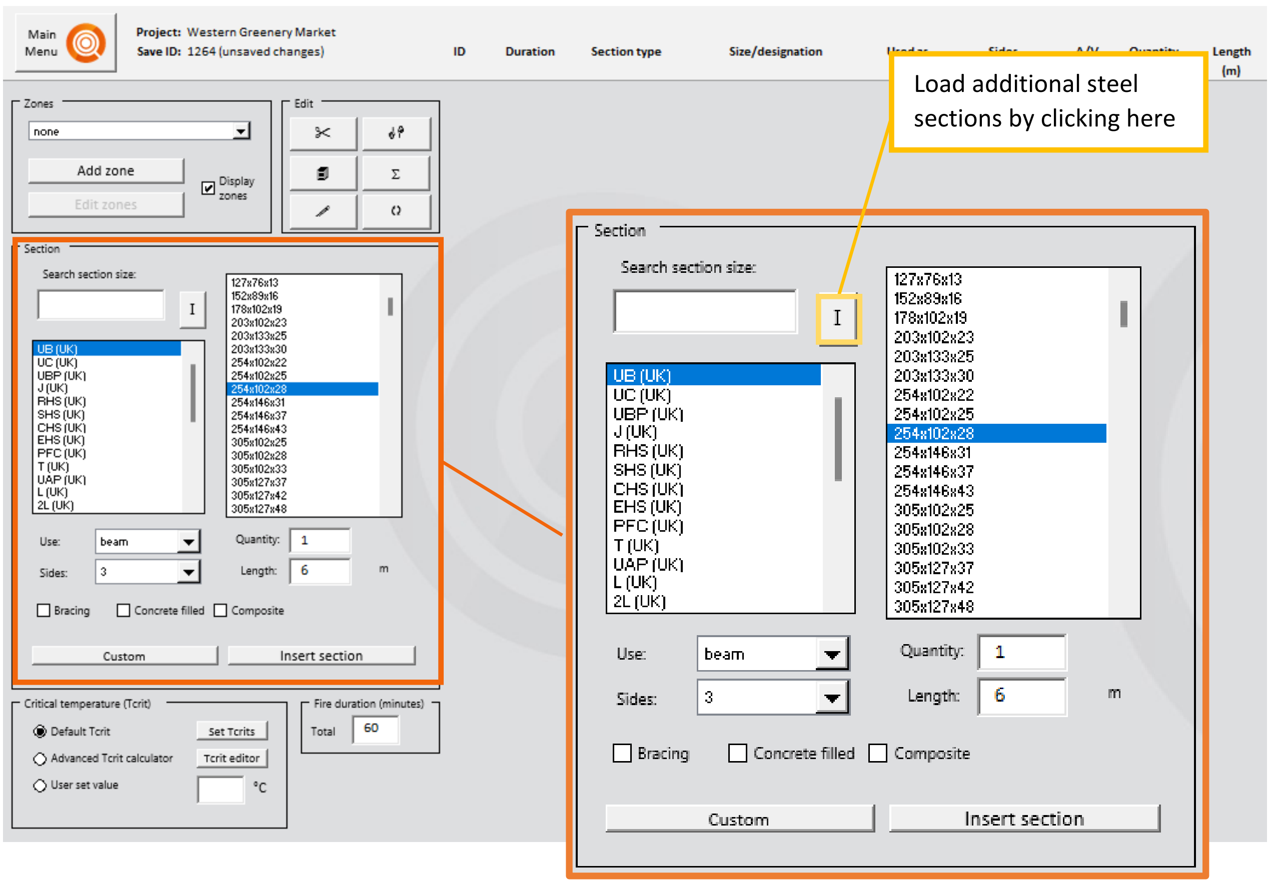
2. USING THE MTO BUILDER

This is the main workspace for building estimates. This quick start guide covers only the basics including how to how to enter sections to the builder on a line-by-line basis. For information on the many features available to the user see the main User Guide.

Users wishing to import a list of sections should consult the user guidance note entitled 'Importing Sections via the Canvas'.

Entering sections line-by-line

The MTO builder features a readout area on the right, which displays estimates for any steel sections inserted by use of the menu to the left. The menu contains the most commonly used sections but is not the full list of available sections. Information on loading more sections to the menu or creating custom sections is found in the main User Guide.



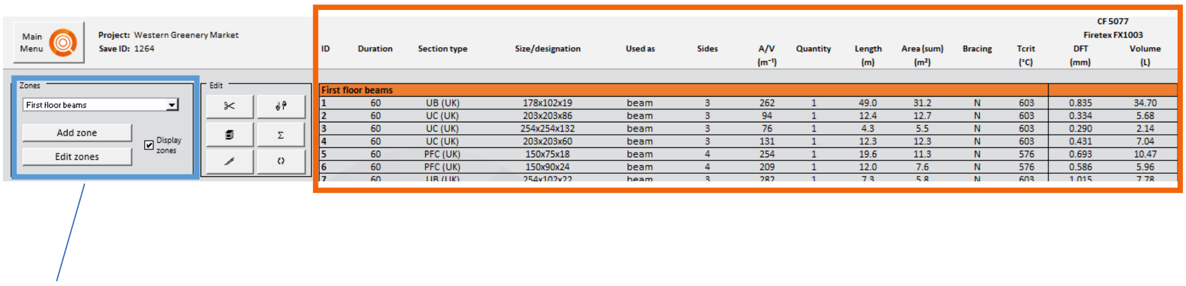
Sections are grouped by section category (UB, UC etc) and then by serial size. Selecting one of the options in the menu will make available a list of all the most used sections in that category. In the example above, the option UB(UK) has been selected, bringing to view all standard dimensions of Universal Beam for the UK market.

The user can insert a section by clicking on it (highlights in blue to indicate selected), checking the defaults below in the menu window (including T_{crit} value and Fire duration) are correct and then clicking 'Insert section'.

The use and sides will be selected automatically based on what is typical for that section type. The length reverts to the default length (set on the main menu). Note that sections can be added by area or by weight instead, by changing the option in the Quantifire main menu at the top left of the main MTO window.

The MTO list of sections

When a section is selected and 'Insert section' is clicked, Quantifire displays the entered data in the right hand area. Also displayed is the estimated requirement DFT for each section and the required application volume/weight for each of the PFP products selected.



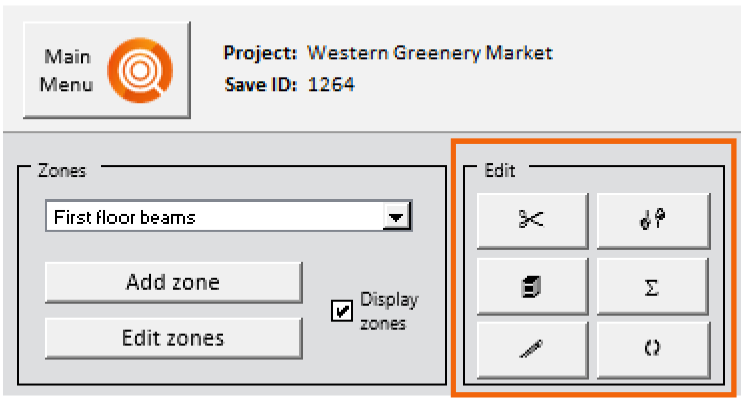
ID	Duration	Section type	Size/designation	Used as	Sides	A/V (m^{-1})	Quantity	Length (m)	Area (sum) (m^2)	Bracing	Tcrit (°C)	CF 5077 Firetex FX1003 DFT (mm)	Volume (L)
First floor beams													
1	60	UB (UK)	178x102x19	beam	3	262	1	49.0	31.2	N	603	0.835	34.70
2	60	UC (UK)	203x203x86	beam	3	94	1	12.4	12.7	N	603	0.334	5.68
3	60	UC (UK)	254x254x132	beam	3	76	1	4.3	5.5	N	603	0.290	2.14
4	60	UC (UK)	203x203x60	beam	3	131	1	12.3	12.3	N	603	0.431	7.04
5	60	PFC (UK)	150x75x18	beam	4	254	1	19.6	11.3	N	576	0.693	10.47
6	60	PFC (UK)	150x90x24	beam	4	209	1	12.0	7.6	N	576	0.586	5.96
7	60	UB (UK)	254x102x22	beam	3	282	1	7.3	5.8	N	603	1.015	7.78

Zones

Sections can be grouped by zones. Add zones by clicking on the appropriate button. When sections are added line-by-line they will be added as the last section in the selected zones. Zones can be reordered, renamed or deleted via the Edit Zones buttons.

Edit buttons

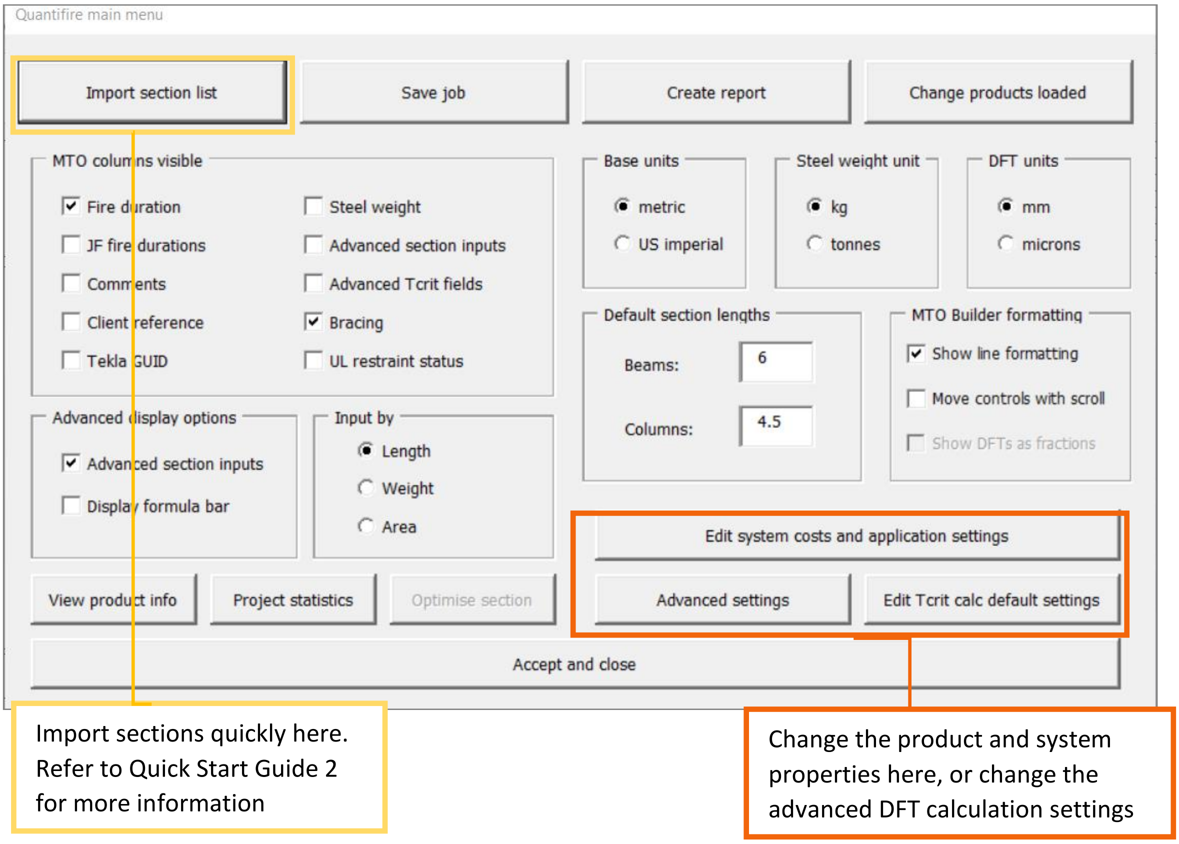
To modify sections already inserted, use the edit features identified here. The user can delete, duplicate, edit, reorder or change all/specific sections using the buttons provided.



3. THE QUANTIFIRE MENU

Clicking on the **Main Menu** button at the top left of the screen brings up the Quantifire main menu. Key features included in this menu are:

- Access to the import tool (and import canvas)
- Save project
- Create report
- Change products loaded
- Change columns displayed, change units, change input measure



Save Job

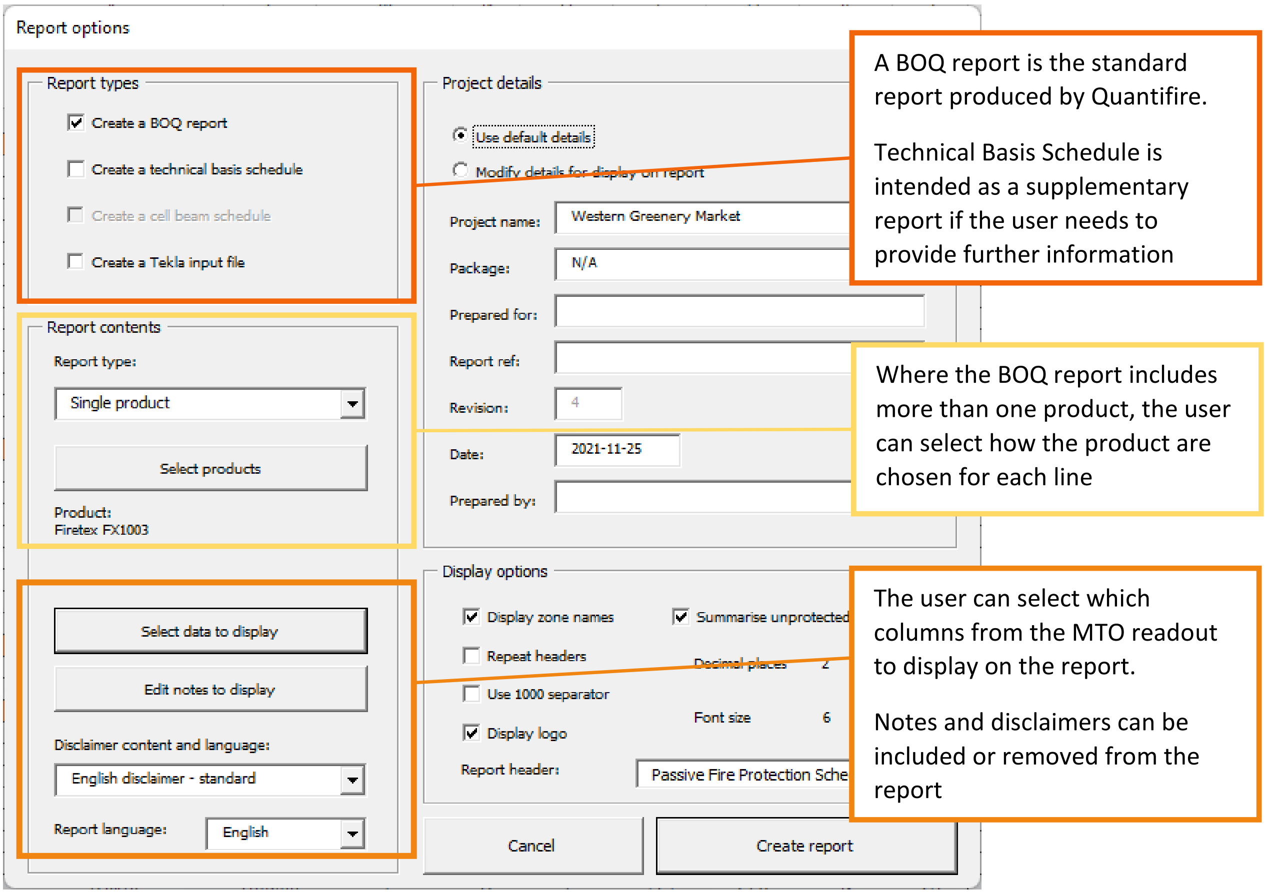
To save the progress made in the MTO builder click on **Main Menu** to bring up the Quantifire main menu. Click **Save Job**.

Saving a Job generates a Job ID, which will be displayed on screen. Make a note of this number to load the job quickly in future.

Create report

The **Create report** button in the main menu allows the user to produce a formatted BOQ report. Each report is tied to a specific save (for traceability) and so clicking **Create report** will automatically save the existing MTO as a new job.

Create report, brings to view the Report creation window; select **Create new revision** (revision name optional) and progress to the Report options window. This window allows the user to set the type of reports produced and customise the contents of the report.



Set preferences and click **Create report** to see your finalised estimation report.

Questions? Please refer to the main user guide, or contact us at PFP Specialists.