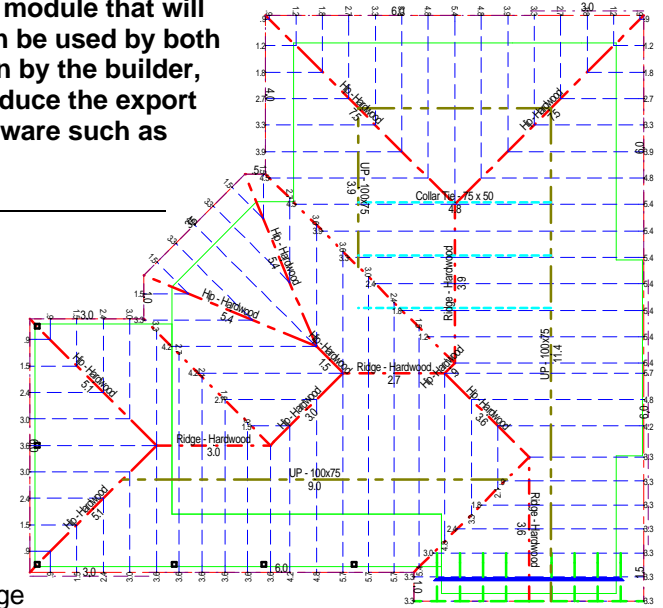


DataRocket for AutoSketch

DataRocket is a straight forward no nonsense CAD module that will create and export data from your Drawings. This can be used by both Drafters when they create their documents and then by the builder, estimator, or scheduler to finalise the data and produce the export document for inserting into building system software such as Databuild.

DataRocket and Assist are two sets of tools that form our DataRocket module for AutoSketch 8. These tools allow the user to quickly draw components and then create a cutting list using Excel.

Use existing entities on your CAD drawings, draw over the top on instant layers or import a scanned image the principle is simple and easy to use. Add names and codes to your data to match your existing quantity package and you're on your way to saving time and money.



| ITEM | CODE | USER | MATERIAL | QUANTITY | TOTAL |
|---------------|------|----------|----------|--|-------|
| Fascia | | Longline | Steel | 1/5 2/1 1/1.5 3/3 1/3.5 1/4 5/6 | 50.5 |
| Ceiling Joist | | 75x50 | Pine | 11/3 24/3.6 12/3.9 9/4.5 1/4.8 1/5.4 1/5.7 5/6.3 | 254.1 |
| Wall Plate | | 75x40 | Pine | 1/6 3/9 4/1.2 3/1.8 1/12.3 1/2.1 2/2.7 1/3.3 2/3.9 3/4.2 1/5.1 2/6.3 1/7.2 1/8.4 | 90.3 |
| Collar Tie | | 75 x 50 | Hardwood | 3/4.8 | 14.4 |
| Rafter | | 125x50 | Pine | 10/9 5/1.2 11/1.5 6/1.8 2/2.1 7/2.4 7/2.7 6/3 19/3.3 9/3.6 5/3.9 4/4.2 2/4.5 7/4.8 9/5.4 4/5.7 | 345.6 |
| Under Purlin | | 100x75 | Standard | 1/11.4 1/3.9 1/4.8 1/9 | 29.1 |
| Outrigger | | 125x50 | Pine | 8/1.5 | 12 |
| Barge | | 200x38 | Hardwood | 2/3.3 | 6.6 |
| Hip | | 225x50 | Hardwood | 1/9 1/1.5 1/3 1/3.6 2/5.1 2/5.4 2/7.5 | 45 |
| Ridge | | 175x25 | Hardwood | 1/2.7 1/3 1/3.6 1/3.9 | 13.2 |
| Valley | | 200x38 | Hardwood | 1/4.8 1/5.1 1/7.5 | 17.4 |

A drafter using PowerTools can send their drawings to an estimator without knowing that they have assisted the quantity process.

The estimators database will be an extension to that used by the drafter, thus enhancing an existing system, saving valuable time and effort.

Quantities can be taken off individually or automatically once all values have previously been added.

Automatic Quantity generation would take less than a minute.

It should also be noted that we recognise the need for flexibility in our system and also the fact that no two builders create a roof in exactly the same manner or with the same specification of materials. Therefore this system has been designed for the user to establish their own sizing data and therefore this system does not refer to any timber design codes.

Quantities also does not stop at roofing and with the combination of DataRocket plus Assist the user will be able to create primary quantity data for almost anything on the drawing.



Information on this and other Resolve Computing modules for AutoSketch is available at:

<http://www.resolv.com.au>

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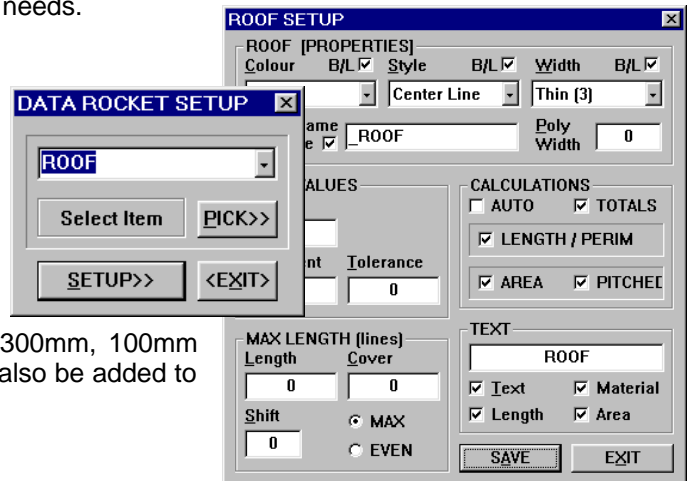
4 Easy Steps to Quantities

The following four steps are the foundations to this easy to use system, where you are in control of the decision making, and formatting of the data to your own personal needs.

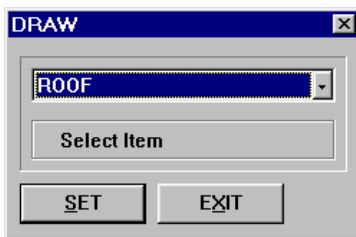
1. SetUp Values

Once you have created your Quantity settings, these are saved to a database and will not need changing. You can create what ever descriptions and values that you need for any product that requires Length and/or Area calculations. These values can be added to existing settings that your drafter already uses.

Values can be added for Waste, Increments (300mm, 100mm ETC...), Maximum Lengths. A pitch Value can also be added to Area calculations for Roofs ETC...



2. Draw Entities



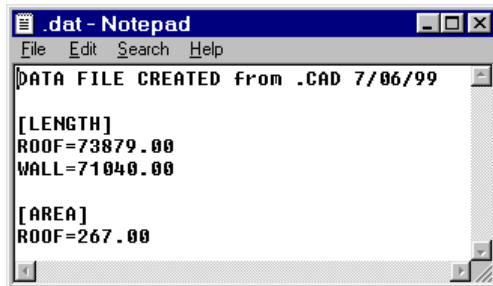
After the Items have been set up, all the Drafter needs to do is to make selection from the list you have created and the CAD Property Values will be set, including Layer and Poly Width.

Values can be added to Lines, Polylines, Polygons, Circles and Symbols, so virtually anything you draw can be used for creating the Quantities from your drawings.

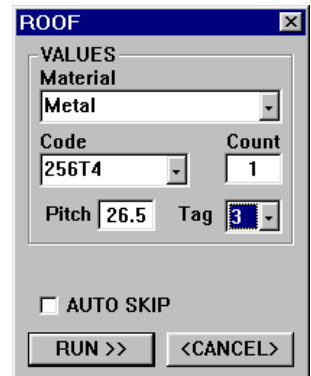
You can even draw over a scanned or faxed image, to create quick quantity takeoff from a customers sketch.

3. Run Quantities

To add Quantities to your drawing entities, select the item to be calculated, specify a material, code, and the necessary numbers. The system will then search for your items and add the values to the entities on the drawing.



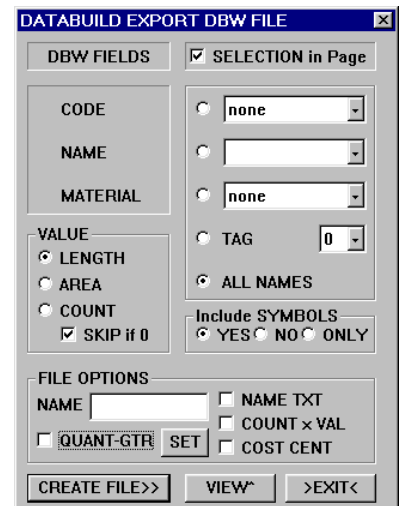
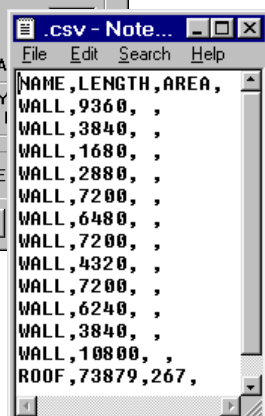
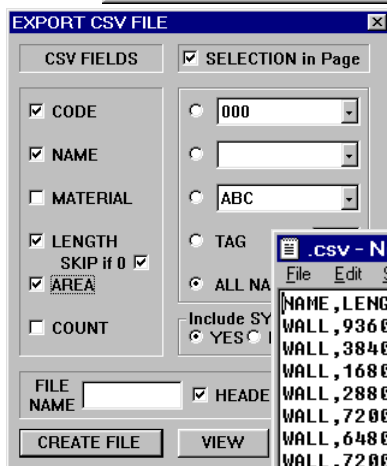
Because the values are stored within the drawing entities themselves, this procedure can be repeated over and over again if additional items are added at a later time.



At any time a Totals check can be created and this will add up all the totals into a quick summary that can be copied on to your document.

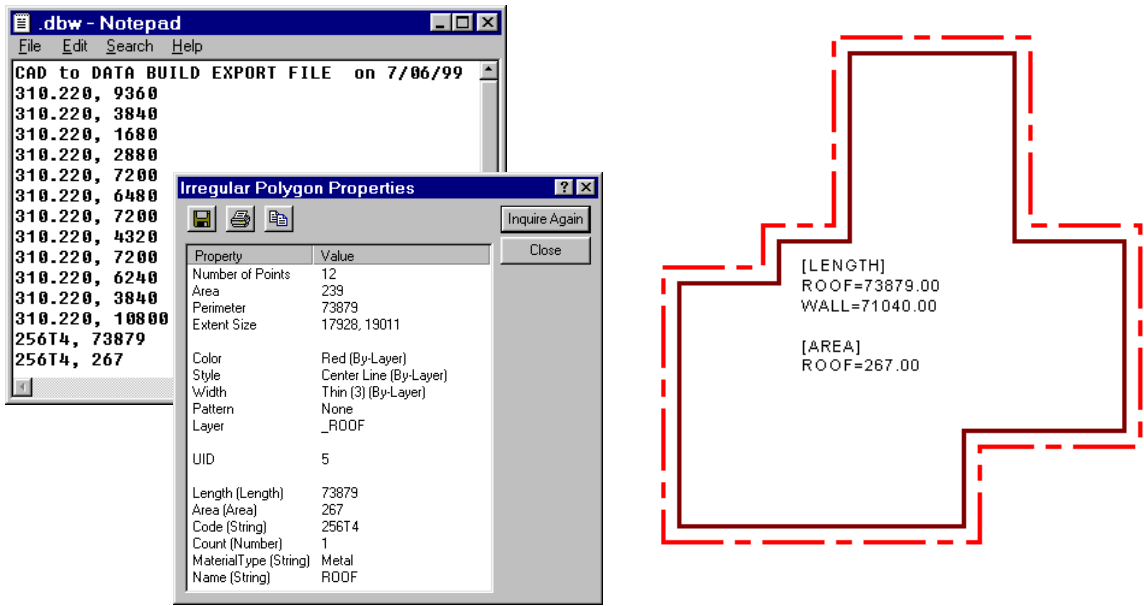
4. Export Data

Once the Quantity Database values have all been added to your drawing, an Export routine can be run and this will create an Export File in CSV format (Comma Separated Value text file). CSV files can then be imported into your estimating system, whether this is a custom application such as Databuild, or even your own spreadsheet on Excel or other software of this nature.



Databuild Export

We have also created a Databuild specific module that will create a file ready to be imported directly into Databuild.



DataRocket can be modified to create quantities for any type of project or drawing. The quantities produced are lengths, areas and numbers of units, and are what we refer to as primary quantities, which are then passed to alternative software modules to further process the data. DataRocket will reduce the time spent measuring and scaling plans but leave the important decision making to you. You are free to create your own codes and item specifications, you will not need to re invent the wheel, and you can leave your existing drawings as they are.

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DataRocket requires AutoSketch V8 with the PowerTools enhancements.

AutoSketch is by far the easiest to use CAD package available for professionals. The combination of AutoSketches' ease with our add on packages gives the builder, designer or drafter considerable power to perform complex tasks with minimal effort, speeding up drawing processes for increased productivity and profitability.

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