

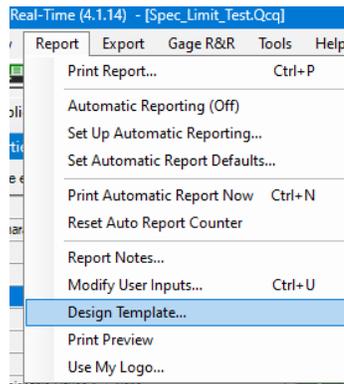
Reporting – Report-Time Note Entry

There are times you would like to have notes entered into your reports but you do not need those notes stored along with your data for future use. A “Form Control” added within your template can be used to collect typed values at run-time from within the Print Preview or PDF screen. This method cannot be used if the report is being sent directly to a printer or to any file format other than PDF. This White Paper gives step-by-step instructions for designing the template and adding the Form Control object to the header area of one of the standard Raw Data templates.

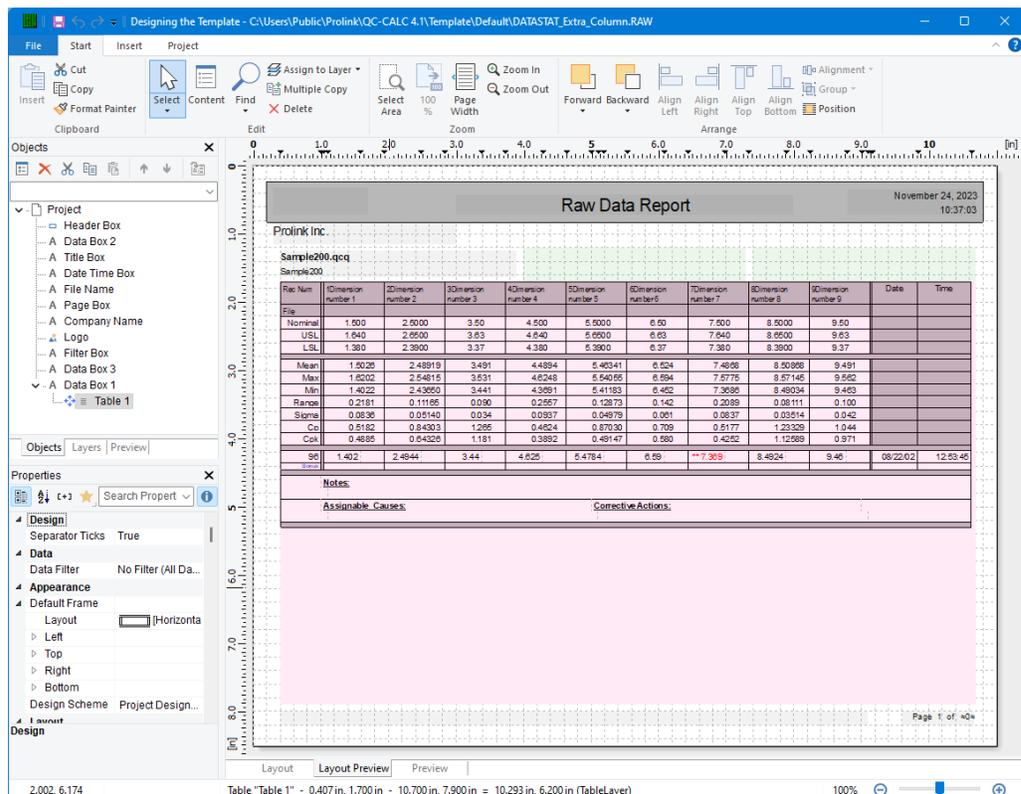
The Report Designer

The directions shown here will add Text Trace field 1 (the value assigned to the first record in the table) to the header area of the report. This is a lengthy process, but relatively simple to accomplish.

1. From QC-CALC Real-Time choose the **Report – Design Template** menu.



2. Choose the DataStat.raw template from the list of files that appears and click **Open**.
3. The Report Designer now appears on the screen.

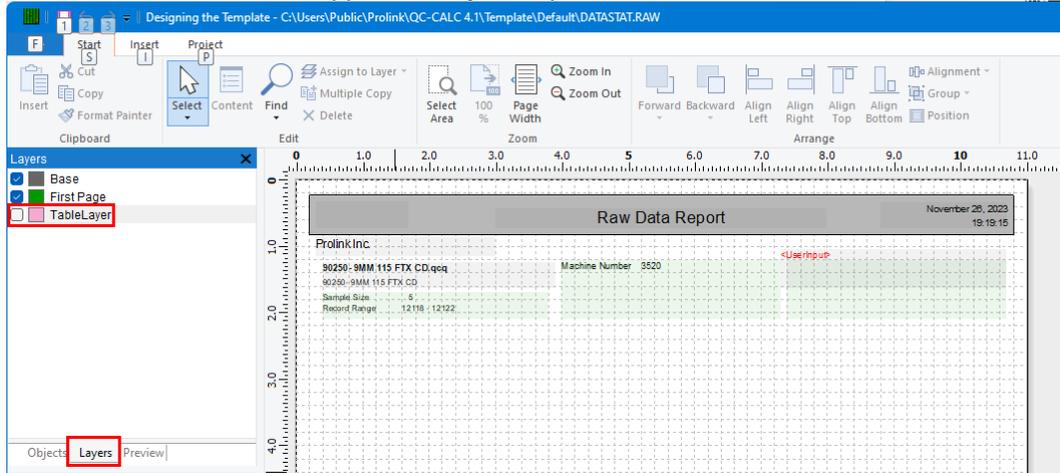


The screenshot shows the Report Designer interface. The main window displays a 'Raw Data Report' template. The report includes a header with 'Prolink Inc.' and 'Sample200.qcq'. Below the header is a data table with columns for 'Part Num', 'Dimension number 1' through 'Dimension number 9', 'Date', and 'Time'. The table contains data for various parts, including 'Nominal', 'USL', 'LSL', 'Mean', 'Min', 'Max', 'Range', 'Sigma', 'Cp', and 'Cpk'. The 'Cpk' value is highlighted in red. Below the table is a 'Notes' section with 'Assignable Causes' and 'Corrective Actions' fields. The interface also shows a 'Properties' panel on the left and a 'Design' panel at the bottom.

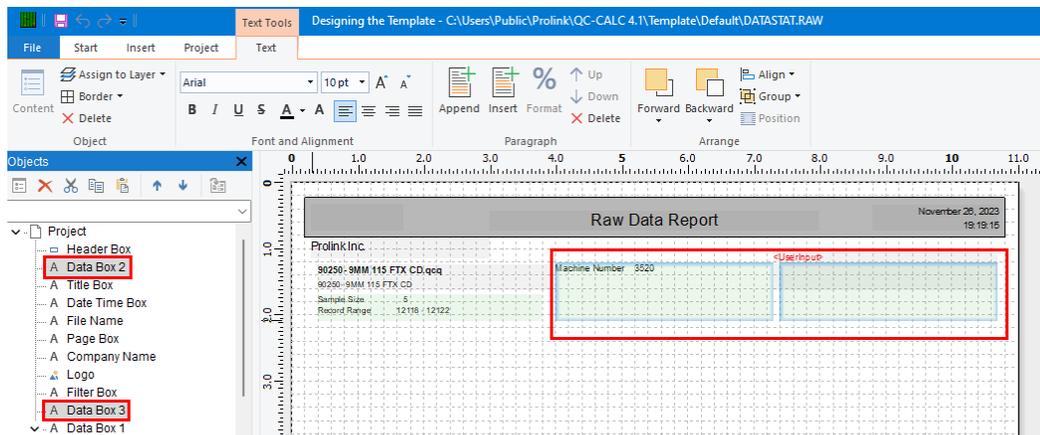
Part Num	Dimension number 1	Dimension number 2	Dimension number 3	Dimension number 4	Dimension number 5	Dimension number 6	Dimension number 7	Dimension number 8	Dimension number 9	Date	Time
1.600	2.7000	3.50	4.500	5.5000	6.50	7.500	8.5000	9.50			
USL	1.640	2.6500	3.63	4.640	5.6500	6.63	7.640	8.6500	9.63		
LSL	1.380	2.3800	3.37	4.380	5.3800	6.37	7.380	8.3800	9.37		
Mean	1.5025	2.48919	3.491	4.4894	5.48341	6.524	7.4808	8.50888	9.491		
Max	1.6202	2.54815	3.531	4.6248	5.54055	6.594	7.5775	8.57145	9.562		
Min	1.4022	2.43050	3.441	4.3981	5.41183	6.452	7.3636	8.48034	9.463		
Range	0.2181	0.11165	0.090	0.2267	0.12873	0.142	0.2039	0.08111	0.100		
Sigma	0.0836	0.05140	0.034	0.0937	0.04879	0.061	0.0837	0.03514	0.042		
Cp	0.5182	0.84303	1.285	0.4624	0.87030	0.709	0.5177	1.23329	1.044		
Cpk	0.4685	0.64326	1.181	0.3892	0.48147	0.588	0.4252	1.12689	0.971		
SP	1.402	2.4844	3.44	4.625	5.4784	6.58	** 7.369	8.4824	9.46	08/22/02	12:53:45

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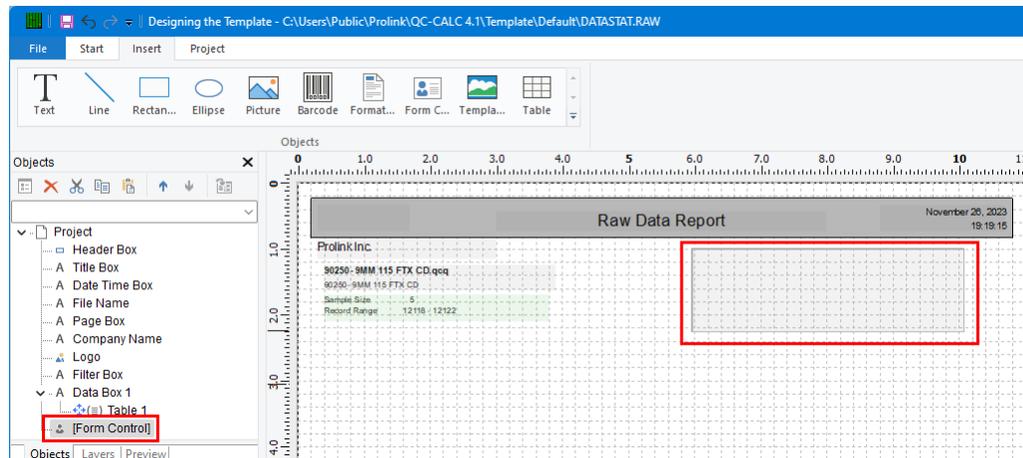
4. In the upper left corner change to the **Layer** tab and uncheck the “TableLayer” item. This will give you clear space to work within the designer. This will not make the table disappear from your report.



5. Change back to the **Objects** tab. Click on the “Data Box 2” item, then hold down the **Control** key and click on the “Data Box 3” item. You will see both items surrounded by a frame on the right (shown below). Hit the **Delete** key to remove them from the report (this spot will be used for the Form Control).



6. Choose the **Objects – Insert – Form Control** menu and draw a rectangle with the mouse in the space that was just cleared out.



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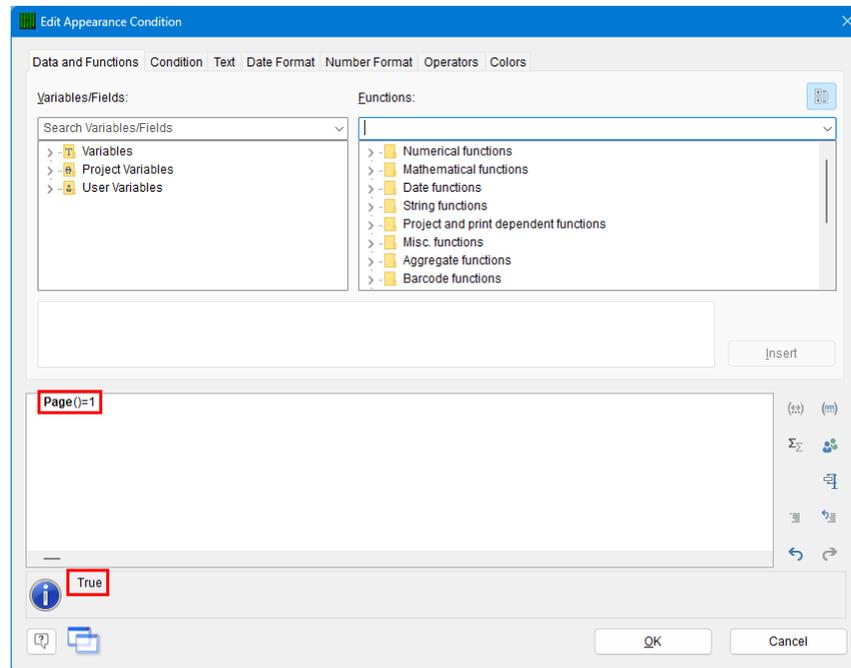
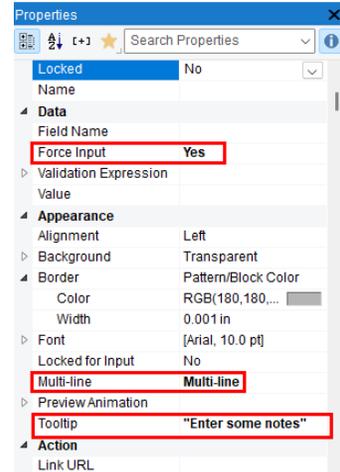
- Now we need to adjust the **Properties** of the new **Form Control**. In the lower left corner (**Properties** box – this can be stretched wider if necessary too) change the following:

Force Input Yes (was no)

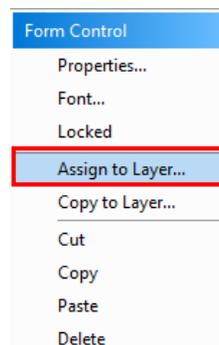
Multi-line Multi-line (was Single-line)

Tooltip Enter something in “ ” that will tell the user what they need to do.

- Now that Form Control has been entered and has the correct properties overall, the only thing remaining is to make sure it will only print on the first page of the report. To do this, scroll down in the **Properties** box and change the **Appearance Condition** line by choosing **Formula** from the list and the **Edit Appearance Condition** box will appear.

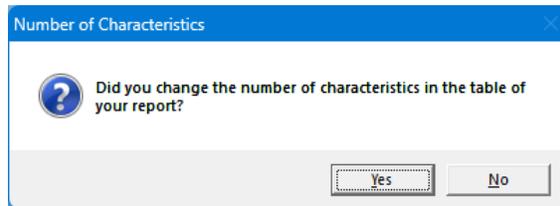


- Enter “Page()=1” and you should see “True” displayed in the status area. Click **OK**.
- Next, right-click on the Form Control object itself and choose the **Assign to Layer** menu.



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11. Choose the “First Page” layer on the **Choose a Layer** screen and click **OK**. You should see the Form Control area turn light green in the workspace.
12. Finally, on the **Layers** tab check the “TableLayer” item again (so you will see the table the next time you need to design this template).
13. Click **File – Save**, then **File – Exit** to get out of the Report Designer.
14. As you leave the Report Designer you will see a question asking if you have changed the number of dimensions in your report. Choose **No**.



15. Now run your Raw Data report using the template you just changed making sure you are using the Print Preview option or you are printing to a PDF file.
16. There is now a red box shown on the screen that the operator can click on, then type a note in. If the report is saved or printed from there the note typed by the operator will be included.

Raw Data Report November 26, 2023
19:51:38

Prolink inc.

90250- 9MM 115 FTX CD.qcq
90250- 9MM 115 FTX CD
Sample Size 6
Record Range 12117 - 12122

Rec Num	Powder Charge Variance	Cartridge Overall Length	Bullet Push	Bullet Pull			Machine Number	Date	Time
Nominal	0.0000	1.0850	125.0000	125.0000					
USL	0.1020	1.0900	625.0000	625.0000					
LSL	-0.1020	1.0800	125.0000	125.0000					
Mean	0.01500	1.08300	93.83334	132.83330					
Max	0.07000	1.08750	142.00000	198.00000					
Min	-0.02000	1.07700	44.00000	95.00000					
Range	0.09000	0.01050	98.00000	103.00000					
Sigma	0.03564	0.00386	38.54045	37.35996					
Cp	0.95407	0.43177	4.32446	4.46110					
Cpk	0.81376	0.25906	4.59402	4.39121					
12117	0.0700	1.0885	-75.000C	198.0000			3520	03/27/23	05:36:14
12118	0.0400	1.0810	142.0000	-95.000C			3520	03/27/23	05:50:17
12119	-0.0200	1.0875	-65.000C	138.0000			3520	03/27/23	05:50:17
12120	-0.0200	1.0820	-108.000C	145.0000			3520	03/27/23	05:50:17
12121	0.0000	-1.0770	-44.000C	-116.000C			3520	03/27/23	05:50:17
12122	0.0200	1.0840	128.0000	-104.000C			3520	03/27/23	05:50:17